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University of
North Carolina
at Chapel Hill
School of Medicine

medical alumni BULLETIN

UNIVERSITY OF NORTH CAROLINA
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Special Issue:
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medical alumni BULLETIN

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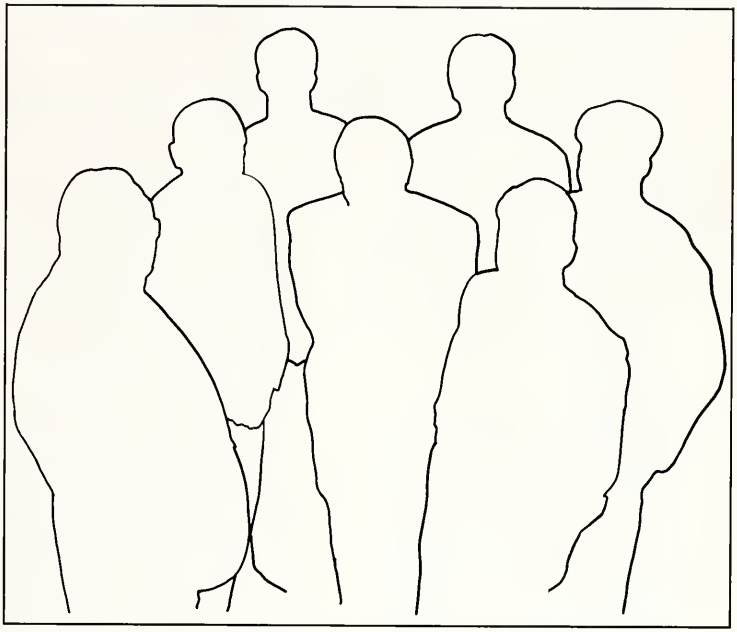
On the Cover



January 7 was a gala day for the medical school. Students presented papers for Medical Student Research Day, then attended an Awards Dinner at the Carolina Inn.

Participating in Research Day events were, from left, Dr. Ralph Landes, a Danville, Va., urologist who endowed the annual Ralph R. Landes Lecture; Dr. Pedro Cuatrecasas, vice president of research and development of Glaxo Corp., who delivered the Landes Lecture; Stan Watson, MS-III, vice president of the Whitehead Medical Society; Prof. Emeritus John B. Graham; R.G. Elgin, MS-II, who won third prize for his research; Art Shepard, MS-II, who won first prize; and Dudley Hudspeth, MS-IV, co-president of the John B. Graham Student Research Society. Not pictured is second-prize winner Sameh Toma, MS-III. The events were sponsored by the Whitehead Medical Society and the John B. Graham Research Society.

—Photo by Dan Crawford

A Story of Pride and Accomplishment

The Medical Education Development Program is a success story that is still being written—but it already has hundreds of happy endings.

This may be one of the best before-and-after stories in medical history, but it has nothing to do with a patient.

It has to do with Dr. Ronnie Beamon, M.D. '82, who defied a lifetime of social and educational deprivation to become one of the School of Medicine's outstanding graduates, now a physician in private practice just north of Charlotte.

Beamon grew up in a small farming community in eastern North Carolina, a member of a large black family whose income was below poverty level. Despite his disadvantaged upbringing, he was the first in his family to go to college and the first black from his county to go to medical school.

Obviously Beamon has himself to thank for his accomplishments, but he also credits a unique preparatory program, offered by the Schools of Medicine and Dentistry, for giving him the psychological and educational footing he needed to make it through medical school. Developed in 1974 as the MED or Medical Education Development Program, the eight-week summer experience has helped more than 700 students from minority and disadvantaged backgrounds improve their chances of becoming physicians, dentists and other health professionals. In fact, more than 80 percent of its participants have matriculated in health professional schools, most notably at UNC-CH, and graduated at rates well above national averages.

The formula behind the program's success is an intense educational experience that capsulizes, in a supportive setting, the academic, social and psychological realities of the first year of medical and dental studies. Courses, taught by senior faculty, include more than 190 hours of instruction in the basic medical sciences. Workshops, seminars, individualized labs and counseling focus on the learning skills essential for professional studies.

"It was really rewarding to see a lot of fellow blacks working toward the same goal," said Beamon, reflecting on his MED experience. "I'd never had the role models before—never had any idea what it took. By the end of the summer, it was not a question of whether I could do it, but rather if I was willing to work hard enough to do it."

Other graduates reaped similar benefits.

"It was not a question of whether I could do it, but rather if I was willing to work hard enough to do it."

"MED gave me a good feeling," said Frances Owle Smith, '87, the first Cherokee Indian to attend a medical school in this state. "It let me know what the atmosphere in medical school would be."

"Perhaps most of all," noted Dr. John Rennick, M.D. '82, "the MED program provided me with the incentive and confidence I needed, as well as an excellent

background. The familiarity with what to expect enabled me to concentrate without the anxiety associated with novelty." Rennick completed his residency in family medicine at Charlotte Memorial Hospital and is fulfilling a service commitment in Henderson.

From the inception of the MED program, Dr. Edith MacRae, professor of anatomy, and Dr. Frederic Dalldorf, professor of pathology, have served as voluntary course directors. With the help of dedicated faculty, staff and professional students who serve as teaching assistants, their leadership has fostered a strong support system for participants.

MacRae believes that without such a positive educational climate, many MED students "would not have had the assurance that they could make it into medical or dental school, nor would they have attempted to go into these professions."

Besides providing valuable exposure to the professions, the MED program "gives the admissions committee a very important additional piece of data" when evaluating students whose abilities may not be adequately represented by the traditional criteria, said Dr. William Bakewell, associate dean and chair of the admissions committee for the medical school. A student's MED record may serve, for example, as a valid measure of motivation, academic discipline and maturity.

The program also has been a powerful recruitment device, contributing to UNC-CH's national reputation since 1970 of enrolling minority students at rates nearly double the national average. The medical school, for example, has graduated 227 minority students, primarily black and American Indian, with more than 90 enrolled as of the fall of 1986.

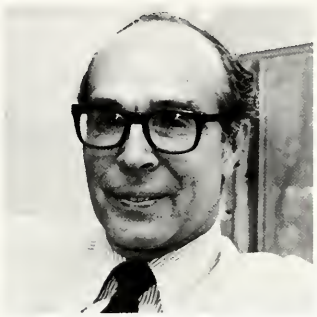
But the significance of the preparatory program is perhaps best reflected in the number of former participants who have obtained their professional degrees and established practices in this state, particularly in previously underserved areas. Studies through 1982 show that at least 50 percent of the 92 former MED students who obtained their medical degrees from UNC-CH and have established practices are settling in the state. So have nearly all of the 23 former MED students who obtained the D.D.S. from UNC-CH between 1978 and 1982.

Dr. Ben Barker, dean of the School of Denistry, says that by redressing the imbalance of minority professionals practicing in North Carolina communities, the MED program is "a vital action that has given organization and substance to a goal whose time had come."

"...a vital action that has given organization and substance to a goal whose time had come."

This article was adapted from a report published in a recent issue of The Educational Inquirer, *the newsletter of the medical school's Office of Research and Development for Education in the Health Professions. The report was written by Evelyn McCarthy, director of the MED program, and Donna Harward, research assistant.*

"Familiarity with what to expect enabled me to concentrate without the anxiety associated with novelty."



Dean's page

Dr. Fleming Fuller, who died in Kinston on October 3, 1986, gave much to North Carolina medicine. He was in many ways the epitome of a physician. He was not an alumnus of our school. Indeed, he was one who shaped the development of North Carolina Baptist Hospital and the Bowman Gray School of Medicine. Dr. Fuller also was a pillar of the Board of Directors of North Carolina Memorial Hospital from its creation in 1971 and, in this capacity, his contributions to our school and to all of the groups served by Memorial Hospital were considerable and will be lasting. In appreciation and as a tribute, I want to use this Dean's Page to share with our alumni the remarks which I made at Fleming's funeral at the request of his family.

Dr. Fleming Fuller was a great human being before he was a great physician and he never let his physicianhood get in the way of his humanity. Fleming was first of all a Christian and a gentleman, sensitive, considerate, and full of grace—a man of absolute devotion to his family, his church, his friends and his community.

As a great and caring physician he expressed his devotion and his values through the practice of medicine and through his leadership in medicine.

Like all physicians, Fleming Fuller grappled with the human condition in all of its subtlety and majesty, with the triumphs and tragedies of life and of living. And his success as a physician and as a medical leader was grounded upon his basic Christian and personal commitment.

Fleming was justly proud of his professional accomplishments but, whether helping one person or serving a great cause, his concern was entirely with results, with the benefit to the person or the community. He was not at all concerned with personal credit or recognition. He wore no mantle of false modesty. He was simply devoted to results. And as a consequence, we will never know the true scope of his influence and of his legacy, although we know enough to recognize his great contributions and to sense the size of our loss at this moment.

Fleming Fuller was to the depths of his being a caring personal physician. His devotion to the welfare of each of his patients was uncompromising. Throughout his practice he worked diligently to bring to his practice and to each one of his patients the very best that was available in medicine. He did this with the wisdom of insight into life rooted in his Christian values. It would be wrong to imply that Fleming's practice was heavy and somber, though of course he dealt sensitively with great tragedy. But as he discussed his patients and practice with me, I saw that his practice was a great celebration of life in all its wonder and mystery. I have no doubt that his patients benefitted as much from his spirit and grace as from his pills and surgery.

Medical practice in all of North Carolina is better because of Fleming Fuller's leadership. He contributed to the solution of scores of problems at the level of the county and the state. His quiet voice of reason and utter lack of hidden agenda brought constructive solution to many contentious issues. Of his many great contributions I want to mention three.

As a founder and early President of the North Carolina Cancer Society, Fleming was a leader in mobilizing us to address that great scourge. Not only did he help to lead in laying the basis for the great scientific advances in diagnosis and treatment which we enjoy today and which we envision for tomorrow, but he also led in changing the attitude of society toward patients with cancer from one of fear and

rejection to one of love and support. How differently we relate to patients with cancer in 1986! That difference is, of course, not all or even mostly due to Fleming, but he was one who led and the difference, the caring, certainly has his mark.

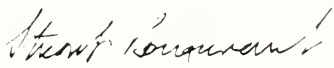
Fleming served for many years on the Board of Directors of the North Carolina Baptist Hospital and on the Board of Directors of North Carolina Memorial Hospital. He thus shaped two of the great academic medical center hospitals of our state. North Carolina Memorial Hospital is the only state university general medical and surgical teaching and research hospital in the state. This hospital is the site of education and training for more of the physicians who will care for future generations of North Carolinians than any other in the world. With his colleagues and friends on the Board of Directors, Fleming has been responsible for a great renaissance of North Carolina Memorial Hospital. Few advances have been made in that institution without Fleming's touch. His has been the voice of the experienced and practical physician dedicated entirely to the health of the people.

Guided in part by his leadership, the Hospital has been brought into the 1980's and geared for the next century with resources, organizations and programs dedicated to the care of patients in a teaching setting not in isolation but in concert with physicians of the state. Fleming was prominent among those who molded this institution which will profoundly influence physicians of North Carolina for decades.

Fleming was a natural teacher. He was very good at it and he enjoyed it. All of us, students, residents and colleagues of all ages have been his pupils.

As a leader of Obstetrics and Gynecology in the state and region and as a President of the North Carolina Obstetrical and Gynecological Society, Fleming led a great under-recognized advance in health care in our time, the remarkable advance in health care of women. He helped to bring medical care for women into the mainstream of American medicine. He truly shaped the practice of his specialty, Obstetrics and Gynecology. He is the only man in North Carolina I know who could call a radical feminist "honey" and not only get away with it but get a smile in return.

Like the great physician who was an apostle of Christ, Fleming has left us a gospel—a message of great joy. It is the gospel of his life. Written not on paper or parchment but in our hearts and in the hearts of thousands of his patients and friends and colleagues and his family. His gospel will endure because it is a human and eloquent expression of the original and because all of us are better disciples in the real causes Fleming served because of it. Fleming's death leaves a void in our hearts which will never be filled. But overlying this void is a legacy and a model and a map—a gospel. And like ripples in a pond, his influence will spread forever.



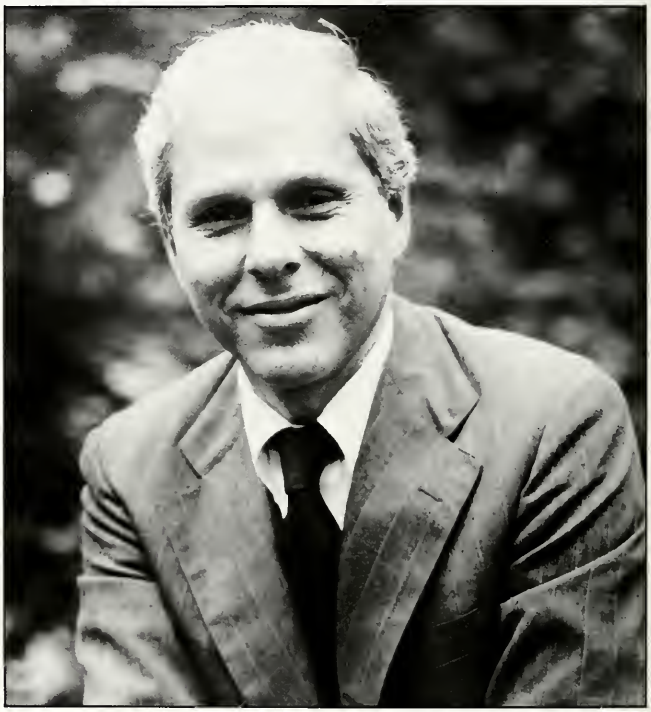
Dr. Bob Ney— A Remembrance

By T. Kenny Gray, M.D.

On Aug. 27 Robert L. Ney, M.D., former professor and chairman of the Department of Medicine at UNC-CH, died at his home in Baltimore, surrounded by his family. A brain tumor had been diagnosed in May 1985, and this malignancy progressed inexorably despite treatment.

Born in Czechoslovakia, Bob and his family moved to the United States in 1941, and he became a naturalized citizen in 1946. He received his undergraduate degree from Harvard in 1954 and his medical degree from Cornell in 1958. After three years of postgraduate training in internal medicine at Vanderbilt University Hospital and the University of Pennsylvania Hospital, he spent two years as a fellow in endocrinology at Vanderbilt and two years with the National Heart Institute's clinical endocrinology branch. In 1965 he returned to Vanderbilt as an assistant professor of medicine.

Bob became an associate professor of medicine and chief of the Endocrinology Division at UNC-CH in 1967. He was promoted to professor of medicine and physiology in 1970 and became chairman of the Department of Medicine in 1972. After resigning in 1980, he spent a sabbatical year at the NIH and in 1981 became chief of the Division of Endocrinology and Metabolism at Johns Hopkins. Three years later he was named to the John Eager Howard Chair in endocrinology and metabolism at Johns Hopkins.



Dr. Ney

Bob was an acknowledged expert in the area of pituitary-adrenal physiology and pathophysiology. His work focused on the secretion of corticosteroids by the adrenal gland and on the role of adrenocorticotropic hormone, a pituitary hormone that acts on the growth and function of the adrenal gland. He was a member of Alpha Omega Alpha, and of many professional societies, including the American Society for Clinical Investigation, the Endocrine Society, the American College of Physicians and the American Association for the Advancement of Sciences.

In 1985 Bob was honored by the UNC-CH School of Medicine as a recipient of its Distinguished Service Award. The citation states that "he has inspired and shaped the careers of hundreds of students, residents and faculty who have incorporated many of his values and insights into their own and have lasting devotion to him."

On Saturday, Aug. 30, Bob's family and friends gathered at the Church of the Good Shepherd in Baltimore for a memorial service. Philip Bromberg, M.D., a professor of medicine at UNC-CH, played the "Chaconne," the final movement of a Bach sonata in D minor for the unaccompanied violin. This music provided a tone of serenity and tranquility to the service. Bob's daughter, Lisa, expressed her love for her father and that of her sister Sarah and her brother Peter in a manner that every parent would cherish. John Parker, M.D., a longtime personal friend and a professor of medicine at UNC-CH, spoke about Bob with affection and warmth. Some excerpts from his remarks are given:

"I was impressed with the things that Bob valued. He was proud of his origins, his family and his work. He liked music, expecially Bach, literature and art... He was deeply interested in the development of young physicians. His door was always open to students, residents and young faculty alike... Bob used to advise people in terms of risk-taking. He would urge them to aim high, to play over their heads, realizing that the risk was possible disappointment. He believed that we could learn from adversity. These attitudes were such an important part of his beliefs that I imagine they were inculcated at an early age. Perhaps he was aware of the risks that his parents incurred when they left their homeland to escape Hitler's armies and struggled to begin a new life in the United States.

"His warmth and dignity were qualities that won him the affection and loyalty of those who didn't trust people over 30. Several years after he left Chapel Hill, a large group of former N.C. Memorial Hospital house officers, some in private practice and others in academia, invited Bob back to Chapel Hill to have a day with him, so that they could tell him about their work and pay their tribute to his role in their lives."

Lee Berkowitz, M.D., a chief resident during Bob's tenure as chairman and now assistant professor of medicine at UNC-CH, expressed his affectionate memories of the experiences that he and other resident physicians shared with Bob.

Near the end of the service, the Kaddish was read in Hebrew. The Kaddish is a prayer about love and loss, life and death, that is part of the Jewish service. It was selected as a powerful and profound prayer as well as a tribute to the spiritual and cultural heritage of Bob's ancestors.

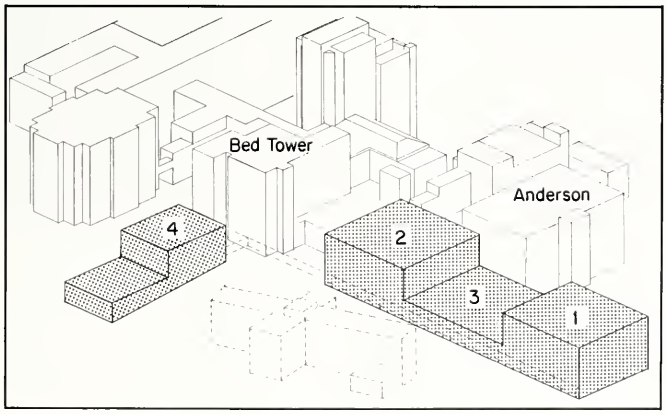
How do we find meaning in the loss of a husband, a father, a counselor, a friend? Bob Ney's life was both a gift and an example to us to serve the needy, to comfort the troubled, to nurture the young, to hold close beloved ones. As long as his legacy is manifest in our lives, he will be remembered.

A scholarship for medical students has been established to honor Dr. Ney. Your remembrance can be sent to the Robert L. Ney Scholarship, c/o UNC-CH School of Medicine, Chaple Hill, N.C. 27514,

Dr. Gray is chief of the Division of Endocrinology in the Department of Medicine.

NCMH Facility Master Plan

The Board of Directors of North Carolina Memorial Hospital has approved a long range facility plan calling for $54.7 million in new construction by the mid 1990s. This sketch shows the relationship of proposed new structures to existing hospital buildings. The plan calls for a new neuropsychiatric hospital (1), a new childrens hospital (2), expanded support space (3) and a multi-purpose diagnostic building (4).



Another Tribute to Clayton Wheeler

The Department of Dermatology is establishing an endowed chair in honor of its veteran chairman, Dr. Clayton E. Wheeler, who plans to retire in June.

During his 24-year tenure at UNC-CH, Dr. Wheeler has guided the department to a nationally preeminent position, both through its contributions to clinical and basic science and through its well-respected residency program.

Dr. Wheeler's expertise has been recognized by numerous awards, including the prestigious Rothman Award from the Society for Investigative Dermatalogy. He has served as president of that organization and of the American Board of Dermatology. This year he received the School of Medicine's Distinguished Faculty Award.

Before coming to Chapel Hill in 1962, Dr. Wheeler was professor of dermatology at the University of Virginia, where he became an authority on herpes simplex infections.

Faculty members in the Dermatology Department want to raise $250,000 for the Clayton E. Wheeler, Jr., Chair by the time he retires. Contributions to the fund should be sent to the Medical Foundation of North Carolina, School of Medicine, 229 McNider Building-202H, Chapel Hill, N.C. 27514.

Dr. Wheeler

HISTORIC MOMENT

Arthur Stanback, North Carolina Memorial Hospital's first heart transplant patient, smiles at well-wishers as he is wheeled out of the hospital by his wife Lola and hospital staff member Frances Jones. The message on his shirt, a gift from his doctors and nurses, reads: "I've had a change of heart in Chapel Hill."

Stanback, a 56-year-old Raleigh resident, had been admitted to the hospital for treatment of idiopathic cardiomyopathy about a month before the transplant surgery Oct. 3. He was discharged in good condition Oct. 30.

GROUNDBREAKING

Dec. 20, 1986 was a big day for supporters of Ronald McDonald House of Chapel Hill. After more than meeting a $100,000 challenge gift, ground was broken for a two-story, 20 bedroom facility dedicated to serving as a home away from home for UNC medical center pediatric patients and their families. The "House with a Heart" is scheduled to be ready for occupancy in December, 1987.

Honor Roll of Contributors

Hundreds of alumni and friends demonstrated their support for the School of Medicine during 1985-86. Listed on the following pages are those who made contributions through the Loyalty Fund, the Co-Founders Club and special gifts.

The Loyalty Fund

The Loyalty Fund is the sole means of support of the Medical Alumni Association. Contributors to the Loyalty Fund provide unrestricted funds for student scholarships and programs, publication of the *Medical Alumni Bulletin* and association activities such as Medical Alumni Weekend. This past year, the people listed below gave more than $83,000 to the Loyalty Fund. Accompanying this list are pictures from the Whitehead Society's student-faculty-alumni Holiday Party in December.

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Lambros C. Rigas, Rome, Ga.
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D. Emerson Scarborough, Raleigh
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Dr. and Mrs. Nelson P. Davis, '66, Wilson
Dr. and Mrs. P. Deaton, Charleston
Dr. Thomas Dempsey, '73, Mobile, Ala.
Mrs. Beverly Destefano, Reidsville
Dr. and Mrs. Griggs C. Dickson, '55, Charlotte
Dr. C. Dodge, Vancouver, Wash.
Dr. and Mrs. John D. Dorsett, '49, Charlotte
Dr. Tally H. Eddings, '65, Waycross, Ga.
Dr. and Mrs. Charles H. Edwards, '73, Charlotte
Dr. and Mrs. John T. Evans, '56, Chattanooga, Tenn.
Dr. and Mrs. John Farrington, '57, High Point
Dr. and Mrs. Eric L. Fearrington, '57, Greenville
Dr. William R. Ferguson, '73, Albany, Or.
Dr. and Mrs. William Flythe, '31, High Point
Dr. and Mrs. A. Freeder, High Point

Dr. and Mrs. Richard Freeman, '70, Auburn, Ala.
Dr. and Mrs. Joe E. Gaddy, Jr., '71, Winston-Salem
Dr. Kathleen Gallagher, '76, Concord
Dr. and Mrs. John S. Gaul, Jr., '44, Charlotte
Dr. and Mrs. Charles F. Gilbert, '59, Greenville
Dr. and Mrs. K. Arnold Gill, Jr., High Point
Dr. and Mrs. James E. Glenn, '55, Jacksonville, Fla.
Dr. and Mrs. D.R. Glover, Jr., Wilson
Dr. Ira Godwin, '55, Fairfax, Va.
Dr. and Mrs. Dan Gottovi, HS '72, Wilmington
Dr. and Mrs. J.D. Goutos, Charlotte
Dr. and Mrs. Charles P. Graham, Jr., '65, Topeka, Kan.
Dr. Gary H. Greenspan, '76, Dunedin, Fla.
Dr. and Mrs. James B. Greenwood, '43, Charlotte
Dr. and Mrs. Donald Gregg, '75, Greenville, S.C.
Dr. and Mrs. T. Griffin, Wilson
Dr. and Mrs. John Guager, Wilmington
Mr. and Mrs. S.E. Gulbreth, Wilmington
Dr. and Mrs. C.G. Gunn, Winston-Salem
Dr. Gool Gupta, HS '72, Goldsboro
Dr. J.D. Gupta, HS '72, Goldsboro
Dr. and Mrs. Mitchell D. Hardison, '80, Wilson
Mrs. Ira Hardy, '63, Greenville
Dr. D. Harper, Jr., '81, Concord
Dr. and Mrs. Charles T. Harris, '49, Charlotte
Dr. and Mrs. Falls L. Harris, '60, Greenville, S.C.
Dr. Lawrence Hartley, '51, Lake Jackson, Texas
Dr. and Mrs. Edward W. Haselden, '69, Columbia, S.C.
Dr. and Mrs. Gary Henschen, '75, Greensboro
Dr. E. Hermosisima, Kannapolis
Dr. and Mrs. Walter C. Hilderman, '40, Charlotte
Dr. and Mrs. Edward R. Hipp, '45, Charlotte
Dr. and Mrs. David Holder, '59, Orlando
Dr. William E. Hoy, '42, Ashland, Ky.
Dr. and Mrs. Hampton Hubbard, '45, Clinton
Dr. Evelyn P. Ivey, '38, Wilmington, Del.
Dr. and Mrs. S.L. Jaben, Charlotte
Dr. Francis D. Jackson, '73, Cumberland, Md.
Dr. and Mrs. Daniel Jacobs, '76, Gastonia
Dr. and Mrs. Ali Jarrahi, HS '67, Winston-Salem
Dr. and Mrs. Earl Jenkins, '73, Rock Hill, S.C.
Dr. and Mrs. Richard Keever, '69, High Point
Dr. and Mrs. Luther W. Kelly, '46, Charlotte
Dr. and Mrs. Jack A. Koontz, '64, Kinston
Dr. and Mrs. Edward W. Kouri, '68, Charlotte
Dr. and Mrs. Howard S. Kroop, '72, Woodbury, N.J.
Dr. and Mrs. Robert S. Lackey, '46, Charlotte
Dr., Thomas Lauer, '78, High Point
Dr. and Mrs. D.H. Lee, Burlington
Mrs. T. Leslie Lee, Kinston
Dr. and Mrs. Robert Lester, '75, Gastonia
Dr. and Mrs. Clifford Lewis, '67, Wilmington
Dr. and Mrs. Robert Linker, '59, Charleston
Mrs. Howard Q.L. Little, Gibsonville
Dr. Wilfred D. Little, '59, Tampa, Fla.
Dr. Charles Loftin, '63, Roanoke, Va.
Dr. Charles Lore, '60, Gainesville, Fla.
Dr. and Mrs. John Lyday, '48, Greensboro
Dr. and Mrs. Ross D. Lynch, Jr., '76, Columbia, S.C.
Dr. and Mrs. W. Mackey, Memphis
Dr. and Mrs. Donald MacQueen, '69, Wilmington
Dr. and Mrs. A. Macri, Eden, N.C.
Dr. and Mrs. Rubin Maness, '76, Goldsboro
Dr. and Mrs. James Mann, '60, Denver, Colo.
Dr. and Mrs. Jeffrey Margolis, '78, Clinton
Dr. and Mrs. John Markham, '68, Augusta, Ga.
Dr. and Mrs. Lois Markham, High Point
Dr. and Mrs. Henry Mason, '81, High Point
Dr. and Mrs. Wilbur Matthews, '61, Wilmington
Dr. and Mrs. James L. Maynard, '73, Rock Hill, S.C.
Dr. Richard B. McAdam, '67, Hampton, Va.
Dr. and Mrs. John McCain, '50, Wilson
Dr. and Mrs. R. McCoy, Wilmington
Dr. and Mrs. Murphy McGirt, '64, Kinston
Dr. and Mrs. William E. McGregor, Charleston
Dr. and Mrs. Jonathan O. McLean, '71, Charlotte
Dr. and Mrs. Eugene McMurray, '80, Wilmington
Dr. and Mrs. John H. McMurray, '76, Charlotte
Dr. and Mrs. Donald McQueen, '67, Rock Hill, S.C.
Dr. and Mrs. William Michal, '60, High Point
Dr. and Mrs. Stephen Miller, '75, Greensboro
Dr. Rudolph I. Mintz, '67, Kinston
Dr. and Mrs. William M. Monroe, '64, Greenville
Dr. and Mrs. Arthur S. Morris, '59, Asheville
Dr. and Mrs. Duncan Morton, '66, Charlotte
Dr. and Mrs. Danny Myers, '75, Kinston
Dr. and Mrs. Ronald Neal, Jr., '75, Greensboro
Miss Lynda M. Neese, Monroe
Dr. Henry N. Nelson,'75, Melbourne, Fla.
Dr. and Mrs. Larry Nickens, '81, Goldsboro
Miss Sally Ormand, Monroe
Dr. and Mrs. William Owens, '61, Clinton
Mrs. Tempe S. Parham, Kinston
Dr. and Mrs. Samuel Parker, '40, Kinston
Mrs. William Parker, Wilmington
Dr. and Mrs. Barry Pate, '58, Asheville
Dr. and Mrs. Eugene Page, '63, Kinston
Dr. and Mrs. Louie Patseavouras, '61, Greensboro
Dr. and Mrs. Clifton G. Payne, '56, Reidsville
Dr. and Mrs. Robert B. Payne, '60, Charlotte
Dr. and Mrs. John Pecorak, '78, Lorain, Oh.
Dr. and Mrs. James Pence, '58, Wilmington
Dr. Robert B. Pennington, '49, Middletown, Ct.
Dr. and Mrs. Charles A.P. Peters, Jr., '79, Logan Station, Penn.
Dr. Roy K. Pons, '66, Medford, Or.
Dr. and Mrs. C.A. Porter, Charlotte
Dr. and Mrs. Jan Postma, '74, Spartanburg, S.C.
Dr. J. Puckett, Columbia, S.C.
Dr. and Mrs. Scott Ramey, '81, Panama City, Fla.
Dr. and Mrs. Cecil Rand, '61, Greenville
Dr. and Mrs. John L. Ranson, '40, Charlotte
Dr. and Mrs. I.R. Rao, Charlotte
Mrs. Philip Ray, Eden, N.C.
Mrs. Charles Reavis, Chattanooga, Tenn.
Dr. A.R. Reback, Matthews
Dr. Marshall E. Redding, '64, Long Beach, Calif.
Dr. Frank R. Reynolds, 3-'43, Wilmington
Dr. and Mrs. James Richards, '56, Orlando, Fla.
Dr. and Mrs. D.A. Riopel, Charlotte
Dr. and Mrs. Douglas L. Rich, '63, Charlotte
Dr. and Mrs. Thomas A. Roberts, '70, Charlotte
Dr. and Mrs. David Rockwell, '74, Goldsboro
Dr. and Mrs. David Rubin, '68, Greensboro
Dr. K. Salameh, Kinston
Dr. A. Saltzman, Providence, R.I.
Dr. and Mrs. Paul Sawyer, '75, Tallahassee, Fla.
Dr. and Mrs. Stephen Schuster, HS '83, Greensboro
Mrs. Henry Sikes, Greensboro
Dr. and Mrs. David W. Sillmon, '63, Greensboro
Dr. and Mrs. Robert Sloop, '60, Wilson
Dr. and Mrs. Cameron L. Smith, '71, Greenville
Dr. Roger Smith, '45, San Bernardino, Calif.
Dr. and Mrs. James Snyder, '69, Wilmington
Dr. and Mrs. Ernest B. Spangler, HS '59, Greensboro

Dr. and Mrs. Willie R. Stafford, '56, Greensboro
Dr. and Mrs. John G. Steel, '77, Greenville
Dr. and Mrs. Elliott W. Stevens, '66, Greensboro
Dr. and Mrs. George T. Stewart, '71, Wilmington
Dr. and Mrs. Grady Stone, '76, High Point
Dr. and Mrs. William R. Story, '58, Charlotte
Dr. and Mrs. B.D. Sumpio, Clinton
Dr. and Mrs. John Surratt, '71, Clinton
Dr. and Mrs. Richard C. Taft, '72, Greenville
Dr. and Mrs. Allen D. Tate, '46, Burlington
Dr. and Mrs. James Taylor, '80, High Point
Dr. and Mrs. William Teachey, '68, Virginia Beach
Dr. and Mrs. Barry H. Teasley, '78, Goldsboro
Dr. Michael Temko, '62, Hampton, Va.
Mrs. Henry Temple, Kinston
Dr. and Mrs. A.M. Thomley, Charlotte
Dr. and Mrs. E. Tinsley, Wilmington
Mrs. Marguerite E. Tracy, Charlotte
Dr. Belk C. Troutman, '50, Grifton
Dr. and Mrs. Paul Vadnais, '79, Charlotte
Mrs. Andrew A. Vanore, Robbins
Dr. and Mrs. Burt Veazey, '60, Sarasota, Fla.
Dr. and Mrs. Jack G. Wall, '68, Burlington
Dr. and Mrs. Joseph Walton, '70, Spartanburg, S.C.
Dr. Donn A. Wells, '61, Fort Lauderdale, Fla.
Dr. Anita Westafer, '79, Gulf Breeze, Fla.
Dr. John Westafer, '79, Gulf Breeze, Fla.
Dr. and Mrs. John Weyher, '46, Goldsboro
Dr. and Mrs. James G. White, '63, Ormand Beach, Fla.
Dr. and Mrs. Steven M. White, HS '67, Greenville
Dr. and Mrs. Robert W. Whitener, HS '58, Greensboro
Dr. and Mrs. Kenneth Wilkins, '80, New Bern
Dr. and Mrs. M. Williams, Brighton, Mass.
Mr. Russ Williams, Wichita Falls, Texas
Dr. and Mrs. Charles F. Willson, HS '80, Greenville
Dr. Roger M. Winborne, '46, Roanoke, Va.
Dr. and Mrs. John L. Winstead, '58, Greenville
Dr. and Mrs. Dexter Witherington, '46, Kinston
Dr. and Mrs. Jerry C. Woodard, '68, Wilson
Mrs Bonnie Woodruff, Raleigh
Dr. Geraldine N. Wu, '75, Cincinnati, Oh.
Dr. J.S. Yongue, '62, Greenville
Dr. and Mrs. John A. Young, '60, Charlotte
Dr. and Mrs. Wayne Young, '82, Portsmouth, Oh.

Women's Auxillary of New Hanover County

Every effort has been made to ensure the accuracy of these lists. If there are errors or omissions, the editors apoplogize and request that corrections be sent to: Medical Foundation of N.C., Inc. 229 MacNider 202H, Chapel Hill, N.C. 27514.

Class notes

Manning-Berryhill Club

Robert M. McMillan, M.D., '36, has been retired since 1984 after 38 years of practice in Southern Pines. He and wife, Dorothy, have moved to Pinehurst, where they enjoy bird watching, working in the yard and walking three miles daily. They are also active foreign travelers, having visited many countries, including Australia, Japan and eastern Canada.

Edgar M. Hall Jr., M.D., '36, is living the retired life in Berwyn, PA. He was a doctor in the U.S. Army during World War II and then practiced internal medicine at the V.A. Medical Center in Philadelphia from 1946 to 1982. Hall is still active in the American Red Cross and the American Cancer Society.

Franz W. Rosa, M.D., '46, is chairman of the Maternal and Child Problem Task Force for the U.S. Congress. He has been an epidemiologist in the Food and Drug Administration for seven years.

Mary Alice Vann Foxx, M.D., '46, retired from practice in 1979 due to arthritis. She writes that her husband is still in full-time cardiology practice in Georgetown and all four of their children are "grown and on their own!"

Crowell T. Daniel, M.D., '46, has a gynecology practice in Fayetteville. He and wife of 33 years, Jo, have four children. The Daniels enjoy skiing in the Rockies in the winter and golfing the rest of the year. Daniel says, "I am thankful for good health and the great happiness and satisfaction the practice of medicine has brought me."

William G. Sanford, M.D., '46, is residing in Winston-Salem, where he recently completed 15 years with AT&T Technologies (formerly Western Electric). His professional activities are principally in occupational medicine and internal medicine. He reports that children—Janny (16) and Bill (13)—are very busy with school and nonschool activities, "so Mom and Dad are pretty busy, too."

Paul V. Nolan, M.D., '46, retired as medical director at the DuPont Co. in 1983. He lives in Signal Mtn., TN, with wife, Anne, who last year was elected mayor of that town. Nolan has been a Hamilton County commissioner since 1982. They have three children and two grandchildren. Nolan says that he and his wife love to travel; they have toured England, Germany, Italy and Switzerland. He says, "We would stay on the road more if money didn't run out from time to time."

J. Edward KcKinney, M.D., '46, is still engaged in an active family practice in Chattanooga, TN. He and wife, Jean, find time to enjoy foreign travel. McKinney also squeezes in a weekly golf game, as well as occasional group golf trips.

Luther W. Kelly Jr., M.D., '46, immediate past president of the Medical Alumni Association, is president of the Mecklenburg Medical Society. Kelly says, "This will be my last presidency; I will concentrate on pre-retirement planning from now on."

Samuel H. Hay, M.D., '46, is continuing to practice internal medicine in northeast Georgia. Hay is part of a multi-specialty group practice which has recently doubled the size of its clinic facility. Hay writes, "We are opening a satellite clinic in a neighboring town and we are beginning a dialysis clinic in our new building area."

Annie Louise Wilkerson, M.D., '36, is in Raleigh, where she still practices office gynecology for half a day, Monday through Friday.

Laura Ross-Venning, M.D., '36, is retired in Chapel Hill. She has four children and seven grandchildren. Ross-Venning was recently listed in the Who's Who Among American Women.

Edwin L. Webb, M.D., '46, is in his second year of retirement after having coronary bypass surgery. He says that after "31 years of an extremely active allergy practice, I simply quit." He and wife, Frances, enjoy foreign travel and are preparing for their 35th trip overseas. Webb says that "the remainder of our time, and by far the most enjoyable, is spent in the loving nurture of 13 beautiful people—our three children, their spouses, and our seven grandchildren."

William E. Sheeley, M.D., '46, is still practicing radiology in Alexandria, VA. He says he is blessed with good health (hasn't missed a day's work because of illness since 1950). Sheeley plans to retire soon and polish up on his airplane-flying techniques if wife, Amelia, allows. He also hopes to improve his golf handicap and "get into scuba gear more often."

H. Frank Starr, Jr., M.D., '46, retired this year as senior vice president of Pilot Life Insurance Co. in Greensboro. He says he will be busy this year as founder and first president of the Williams Council of Greensboro, a business coalition dedicated to worksite health promotion.

50s

Baxter H. Byerly, M.D., '51, lives in Tallahassee, FL, where he is in a three-man ophthalmology practice. Byerly and wife, Mary Ann, have four children.

Roy J. Blackley, M.D., '51, lives in Raleigh, where he is Deputy Director of Medical Services for the Division of Mental Health, Mental Retardation and Substance Abuse. Blackley enjoys playing golf, fishing and walking. He says, "I have thoughts of retiring from medicine and working part-time as 'something.' I would also like to do some writing and traveling."

Charles D. Conner, M.D., '51, is retired in Sumner, WA. He reports that he is doing some writing. His first book is being reviewed by a publisher and his second work is in progress.

George L. Pittman, M.D., '56, is in practice in Burlington. He has recently begun offering liposuction, a surgical method of removing fat deposits. This technique has been employed in the U.S. for approximately four years. Pittman is a member of the American Academy of Cosmetic Surgery and the American Society of Lipo-Suction Surgery, Inc.

60s

James H. Blair, M.D., '61, is residing in Columbia, SC. He reports that he is "still happy and married to the same woman for the past 26 years."

A. Ray Newsome, M.D., '61, is in private practice of cardiology and internal medicine in Winston-Salem. Newsome is a member of the clinical faculty at Bowman-Gray and is chief of the medicine division at Forsyth Memorial Hospital. He and wife, Mary, have two sons—one works at Wachovia Bank, and the other is a first-year medical student at Bowman-Gray.

Paul A. Guiles, M.D., '61, has been in private practice in pediatric anesthesia since 1967. He is part of a 110-member private practice anesthesia group. Guiles is vice president of the medical staff at Children's Hospital and Health Center in San Diego, CA. He has four grown children and remarried in 1983 to an O.R. nurse, Kathy.

R. Carl Britt, M.D., '61, is in private practice in internal medicine and pulmonary diseases in Durham. Britt has three children—Jennifer, Jeffrey and Marissa. His main way to "stay in shape" is playing tournament tennis. He is currently ranked in North Carolina in men's singles, mixed doubles and father-son doubles. Britt remarried in December '85 and now lives in Chapel Hill with wife, Marianne.

Carol Hedden Hackett, M.D., '66, is in family practice in Bellerie, WA. She is chairman of the department of family practice at Overlake Hospital Medical Center in Bellerie and is a member of the clinical faculty of the University of Washington Medical School. She is married and has three children.

E. Walker Stevens Jr., M.D., '66, is in a three-man private practice in allergy and pulmonary diseases in Greensboro. He and wife, Blanche, have two children—Elliott (15) and Margaret (12). Stevens lists his current hobbies as sailing and skiing.

Stanleigh E. Jenkins Jr., M.D., '66, resides in Gatesville, where he is in family practice. He has three children. His oldest child entered UNC-CH last fall.

Don. W. Printz, M.D., '66, is practicing dermatology in Stone Mountain, GA. He is president of the Southeastern Dermatological Association. He and wife, Debby, have five teenagers and three pre-teens.

Howard T. Hinshaw, M.D., '66, is continuing to practice as an endocrinologist at the Nalle Clinic in Charlotte. He writes that the practice is changing rapidly. "We are now 60 physicians (at last count) with our own HMO component, an acute care center, two satellite centers, marketing, increased expenses, uncertain incomes, etc." Hinshaw and wife, Virginia, have three daughters.

Wesley C. Fowler Jr., M.D., has been named the first Leonard Palumbo Professor of Gynecologic Oncology in the School of Medicine.

Fowler is professor and associate chairman of obstetrics and gynecology and chief of the department's gynecologic oncology division.

Palumbo, one of the original three faculty members in ob-gyn was chief of the gyn tumor clinic at Chapel Hill from 1952 until his death in 1974. Dean Stuart Bondurant noted that "...Dr. Palumbo was absolutely dedicated to providing the very best and most sensitive care to women with cancer. His standards will be perpetuated in our school through this professorship, made possible by the generous gifts of the Palumbo family and the Robert A. Ross Society."

The dean added that it is "particularly appropriate that Dr. Fowler is the first Palumbo Professor. "Dr. Fowler, who is now one of the nation's distinguished leaders in advancing the care of women with cancer, was inspired as a resident by Dr. Palumbo."

Dr. Fowler

Robert H. Bilbro, M.D., '66, is practicing internal medicine and cardiology with a Raleigh medical group. He is medical director of the Raleigh Cardiac Rehabilitation Program. Bilbro is also an associate clinical professor of medicine at UNC. He and wife, Carol, have two children—Scott and Kathryn.

Elizabeth Spivey Hoyt, M.D., '66, lives in Cary. She reports that she worked at Dorothea Dix for 10 years as a staff physician after graduating from UNC. She now works part-time at two plasma centers which "fits in very well with rearing our family—two sons, Allen Jr. (15) and David (8)." Hoyt enjoys writing and calligraphy. She has had several articles and poems published, and is currently working on an allergy book.

W. Beverly Tucker, M.D., '66, lives in Henderson with wife, Anne, and their four children—Bev Jr. (18), Preston (15), and twins, Megan and Blair (14). He is in family practice in a six-man group. Tucker is also a member of the teaching association at UNC and Duke. He is president of the Vance County Medical Society and is on the staff at Maria Parham Hospital in Henderson.

Charles K. Scott, M.D., '66, practices pediatrics in Burlington in a three-man group. He is medical director of a twenty-two-bed adolescent alcohol/drug treatment center in the Alamance County Hospital. Scott is also chairman of the Alamance County Board of Health and of the Child Health Committee for the North Carolina Medical Society. Scott has two children—Andy and Vicky.

George M. Paddison, M.D., '66, lives in Durham, where he is head of the department of radiology at Durham General Hospital. He and wife, Meredith, have two children—Julie and Jim.

William C. Rawls, M.D., '66, lives in New Bern with wife, Helen. He reports that he "quit smoking, gained 40 pounds lost 25 pounds and is still not smoking." Rawls also writes that his son is a doctor and that "neither father nor son have been sued (knock, knock!)."

Alan M. Rich, M.D., '66, is residing in Lakeland, FL with wife, Linda. He says "with mid-life hard upon us, I have found a new interest—mountain climbing and trekking." Rich has climbed in the Everest region of Nepal, several of the "biggies" out West, in the mountains of East Africa and the volcanoes of Ecuador. He says that he plans to hang up his crampons after climbing Acongua this year. Rich reports that he and his wife sitll enjoy doing volunteer eye surgery projects in the Third World, but that "it's getting hard to find a place where you are unlikely to get shot."

Donn A. Wells, M.D., '61, is in family practice (with a specialty in allergy) in Ft. Lauderdale, FL. He has two sons—David and John.

C. Rex O'Briant, M.D., '61, recently became medical director for the Atlantic-Richfield Company in Dallas, TX. He says that he still pulls for the Tar Heels during football and basketball seasons.

Zell A. McGee, M.D., '61, resides in Salt Lake City, UT. He is director of the Center for Infectious Diseases, Diagnostic Microbiology and Immunology at the University of Utah. He is also carrying on a NIH-sponsored research program.

Joseph O. Bell III, M.D., '66, is in full-time anesthesia practice in Greenville, SC. He takes off for Tuxedo in the summer months to run two camps for children, Arrowhead and Glen Arden. Bell and wife, Lindsay, have three sons—Durham, (6), Hudson (3), and Burgess (1).

J. Curtis Abell, M.D., '66, is in solo pediatrics practice in Statesville. He recently completed terms as president of the Iredell County Medical Society and as chief-of-staff at Iredell Memorial Hospital. Abell is currently writing a history of medicine in Iredell County. He and wife, Pat have two children—Tony and Geoff.

Cyrus L. Gray III, M.D., '66, has recently gone into solo gynecological practice in Tampa, FL. He and wife, Malinda, have three children. Spence (21) is a senior engineering major at Duke. Nathan (19) is a sophomore at UNC. Katy (15) is in the tenth grade. Gray writes, "We enjoy living in Tampa, but the boys seem to have acquired some sort of migratory urge back toward my roots in North Carolina."

William C. Hubbard, M.D., '66, practices pediatrics in a five-man group in Raleigh. The members of Raleigh Pediatric Associates share a full-time teaching position in the pediatric department at UNC. In his spare time, Hubbard enjoys boating, fishing and playing golf with his son and two daughters.

N. Neil Howell, M.D., '66, is a member of a four-man group in Charlotte, the Randolph Road Ear, Nose and Throat Association. He is also medical director of the Charlotte Surgery Center. Howell and wife, Linda, have three sons—Andrew, Burke, and Gantt. In his free time, this doctor enjoys cooking and fishing.

Jacob A. Lohr, M.D., '66, resides in Charlottesville, VA. He is vice-chairman of the department of pediatrics at the University of Virginia School of Medicine and also is a McLemore Birdsong professor. Lohr says that "it is often difficult for an old Tar Heel to live in Cavalier country!" He is the father of two boys—Jason (15) and Jonathan (10).

Thomas J. Koontz, M.D., '66, is presently chairman of the Board of Trustees at Medical Park Hospital in Winston-Salem. He is involved in general and peripheral vascular surgery and is president of Medical Park Hospital, Inc. In his spare time, Koontz plays tennis and skis. He also coaches a YMCA basketball team which was No. 1 in 1985 and 1986. Koontz and wife, Lynne, have two children—Jennifer (16) and Jeff (14).

G. William Bates, M.D., '65, resides in Mt. Pleasant, SC. Last year he was named Dean of the College of Medicine and Professor of Obstretrics and Gynecology at the Medical University of South Carolina at Charleston.

70s

V.O. Roberson III, M.D., '71, is in private practice and chairman of the anesthesia department at High Point Regional Hospital. He is also president of Carolina Anesthesiology and past president of the North Carolina Society of Anesthesiologists.

J. Richard Auman, M.D., '71, is assistant head of the urology department at the Naval Hospital, Portsmouth, VA. He is also a clinical associate professor of urology at the Eastern Virginia Medical School. Auman says that as chairman of the Utilization Review Committee, he is very interested in quality assurance and risk management issues.

James S. Fulghum III, M.D., '71, is involved in a busy neurosurgical practice in Raleigh. He is chairman of the department of surgery and operating room committee at the Wake Medical Center and is secretary-treasurer of the North Carolina Neurosurgical Society. Fulghum is also a member of the Advisory Arts Council of the North Carolina Art Society. In free time, he enjoys fishing and camping.

Mary S. Kirk Fulghum, M.D., '71, is in private obstetrics and gynecological practice in Raleigh. She is medical director of Planned Parenthood of Greater Raleigh. She and husband, Dr. James S. Fulghum III, have two children—Molly (13) and Emily (9).

John T. Cuttino Jr., M.D., '71, lives in Chapel Hill. He is currently an associate professor of radiology at the School of Medicine and is the director of residency training at North Carolina Memorial Hospital.

W. Ray Gammon, M.D., '71, is currently an associate professor in the dermatology department at the School of Medicine. He and wife, Sally, have two sons—Chris (13) and Ashley (11).

W. Randolph Grigg, M.D., '71, is in private practice of psychiatry and psychoanalysis in Raleigh. He and wife, Carol, have two children—Jill and Mark.

Michael Knowles, M.D., '71, is an assistant professor of pulmonary medicine at UNC. He is involved in clinical studies of respiratory epithelial function in cystic fibrosis. His wife, Marilyn, is a research associate at the UNC School of Public Health. They have two children—Josh (12) and Rachel (11).

Robert L. Kuykendal, M.D., '71, is director of Inpatient Psychiatry at the Cincinnati V.A. Hospital in Cincinnati, OH. He is also an adjunct associate clinical professor of psychiatry at the University of Cincinnati and has a private practice in a residential area of the city. Kuykendal and wife, Kathy, have two sons—Jeffrey and Adam.

Jonathan O. McLean, M.D., '71, lives in Charlotte with his wife, Pam. He has a private cardiology practice.

Frederic Neur, M.D., '71, is a radiologist in a three-man group in Emporia, KS. He and wife, Paula, have three children—Eric, Chris and Anne.

William B. Pittman, M.D., '71, is in private practice in gastroenterology and internal medicine. He resides in Rocky Mount with wife, Celeste, and their two children—Nell (11) and Will Bryan (7).

Roy Schindelheim, M.D., '71, lives in King City, CA. He is president of the Southern Monterey County Medicaid Group. Schindelheim breeds Arabian horses as a hobby. He and his wife have one child.

John P. Surratt, M.D., '71, practices dermatology in Clinton. He and wife, Amelia, have two children—Ginger (14) and Jonathan (11).

Carol A. Aschenbrener, M.D., '71, is currently Associate Dean of Student Affairs and Curriculum at the University of Iowa. She is also vice president of the Iowa Medical Society. Aschenbrener has a daughter—Erin (16).

B. Francis Barham Jr., M.D., '71. is currently practicing cardiothoracic and vascular surgery in Charlotte.

James S. Coxe III, M.D., 71, has a private endocrinology practice in Raleigh. He enjoys tennis and snowskiing.

Edwin Gayle Farrell, M.D., '71, resides in Tulsa, OK. He is a senior partner in a six-man pediatric division in a large multi-specialty clinic. His wife, Susan, is the director of the Division of Child Development at Children's Mercy Hospital in Kansas City, MO. They have two children—James (11) and Margaret (8).

William D. Sasser, M.D., '71, is chief of surgery at Mary Washington Hospital in Fredericksburg, VA. He says he is busy with a general and vascular surgery practice.

K. Layne Sheffield, M.D., '71, is a specialist in emergency medical care and family practice. For the past three years he has been in Riyadh, Saudi Arabia, as chief of medical services for McDowell-Douglas Services. His wife, Jen, and two children—Anna (11) and Lindsy (2)—were with him. Sheffield and family are returning to the U.S. to live in Albuquerque, NM.

Richard Bowerman, M.D., '76, is an assistant professor of radiology at the University of Michigan Medical Center. His first book was published last year: *Atlas of Normal Fetal Ultrasonographic Anatomy*. His wife, Cathy, is a partner in a Detroit law firm. The couple has one child—Ashley (2).

Richard T. Fritz, M.D., '76, practices radiology at Nash General Hospital in Rocky Mount. Fritz spent seven years as a doctor in the Navy. He then completed a year-long fellowship at the University of Virginia before moving to Rocky Mount in 1984. He and wife, Jenny, have two sons—John (4) and Charlie (2).

Alexis Bouteneff, M.D., '76, has settled in northwestern Connecticut. He is practicing otolaryngology. Bouteneff and wife, Cheryl, have a two-year-old son.

She writes to clarify—

Dear Editor:

I was very pleased to see the paragraph on my father, J. Seaborn Blair ('45) in the Classnotes section of the November, 1986 issue of the *Bulletin*. (P. 16). However, I was dismayed that it states that I "will graduate from ECU in 1988." As much as I respect that institution (both my brothers *are* finishing medical school there this year) I am proud to be a student at *UNC* and will happily join my father as a UNC "alum" in 1988. I always enjoy this magazine, and, believe me, I can't *wait* until I qualify for the "Class notes" pages!

Elizabeth Blair, PhD, MS-III
UNC School of Medicine
Chapel Hill

And a response:

We are pleased to grant advanced status as a Classnotes Correspondent, in repentance for our egregious error.

—eds.

80s

M. Sue Kirkman, M.D., '82, is currently chief medical resident at University Hospital in Salt Lake City, UT. She and husband, John, have a two-year-old son, Jacob Alexander.

Robert James Palisano, P.T., '81, lives in Drexel Hill, PA. He recently joined the faculty of Hahnemann University as an assistant professor in the graduate school program in physical therapy.

Anna L. Williams, M.D., '80, finished her fellowship in ultrasound and cardiothoracic study at Georgetown Hospital in June '85. She is a member of the Washington Radiology Associates.

David P. Ascher, M.D., '82, finished a residency in pediatrics and is now stationed at Clark Air Force Base in the Phillipines. He and wife, Karen, have a daughter—Jamana.

William B. Olds, M.D., '81, completed a residency in family practice in June '84. He is now working at the Person Family Medical Center in Roxboro.

Douglas P. Kiel, M.D., '81, is an assistant professor of medicine at Brown University School of Medicine. He also practices internal medicine at Rhode Island Hospital in Providence, RI.

Deaths

Frances E. Brennecke, C.Med. '34
Herbert R. Cavenaugh Jr., M.D. '68
Williard C. Goley, C.Med. '22
Frederick C. Hubbard, C.Med. '16
Arthur A. James Jr., C.Med. '30
I. Worth Kirby, C.Med, '42
Benjamin J. Lawrence, C.Med. '16
Baxter G. Noble, C.Med. '42
Robert L. Norment, C.Med. '37
John K. Robertson, C.Med. '47
Marion H. Smith, M.D. '62
John C. Wiggins, M.D. '82

Calendar

Medical alumni activities

March		
25	Co-Founders Spring Meeting	Chapel Hill
April		
3-4	Medical Alumni Weekend	Chapel Hill
30	Alumni Reception During N.C. Medical Society Meeting	Pinehurst

Continuing education

March		
11-14	Internal Medicine 1987	Chapel Hill
23-26	Learning Disorders Seminar	Chapel Hill
26-27	Cancer Research Symposium	Chapel Hill
April		
9	N.C. Clinical and Neuro-ophthalmology Review	Chapel Hill
23-24	Neonatal and Pediatric Respiratory Care	Chapel Hill
23-26	11th Annual UNC Radiology Symposium	Chapel Hill
24-25	Annual Cardiology Update	Chapel Hill

For more information about alumni activities, contact Beverly Stutts at 962-2118. Contact Nancy Barnes at the same number for information about continuing education programs, or write the Office of Continuing Medical Education, 231 MacNider 202H, Chapel Hill, N.C. 27514.

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Medical Alumni Weekend
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Volume 33

Spring 1987

Medical Alumni BULLETIN

School of Medicine, University of North Carolina at Chapel Hill

Springtime at the Medical School

Dean's Page

There is a saying among educators experienced in efforts to evaluate the quality and effects of education: "Every experiment in education is doomed to success." Perhaps because of compounding variables, secular change more influential than that of interventions being tested, imprecision of tools of evaluation, and even lack of understanding of the true goal, medical education along with education in general suffers from a lack of reproduceable data and the ability to project consequences of educational interventions with precision. To a large degree, we rely upon empiricism as we adjust our curriculum and mount our limited efforts to evaluate what we do in medical education.

Those of us who are privileged to watch repeatedly as classes of young men and women grow professionally from college graduates to mature physicians believe that our system of medical education, flawed and imperfect though it is, does in fact produce a high proportion of competent and caring physicians. The medical curriculum is designed around the idea that the physician can take better care of his or her patients if he or she understands the biological and social processes which influence the health of patients. We are committed to investment in a very expensive form of education on the basis of this judgment.

Recently there appeared an analysis of artificial intelligence in medicine which in an interesting way confirms the validity of the foregoing thinking.[1]

Schwartz *et al* point out that efforts to capture clinical reasoning for use in computers based upon flow charts, pattern matching, sets of rules, or testing hypotheses by matching patients' characteristics to those known to be associated with disease have all been unsuccessful. The most successful models of clinical reasoning currently are those which incorporate knowledge of physiologic and disease processes in relation to causes of normal function or the arrangements of disease. Thus, for example, the programs can anticipate changes in the manifestations of disease at different stages in the disease or under different conditions of the patient.

The best system of artificial intelligence requires the use of knowledge of normal and disease processes.

Here we are led back again to the design of the curriculum which is based to a considerable extent upon providing the student with the ability to understand those biological and social processes relevant to the care of his or her patient. Clinical reasoning of the highest order and reliability seem necessarily to involve such understanding of biological and disease processes. Further, this conclusion supports the judgment of many that an experience in research at some point in the years of medical education serves beyond the actual knowledge obtained to strengthen the ability of the clinician. Perhaps it is because mastery of a field sufficient to make a research contribution requres genuine understanding of the biological or social processes involved and this understanding can be a template for learning of other processes.

Certainly none of us has comprehensive understanding of all or even most of the biological and social processes which influence our patients. On the other hand, one feature which distinguishes the physician from most other health care providers is an educational background which equips the physician to deal with health or disease at the level of modulation of influential processes when necesssary rather than reaction to the manifestations of the processes.

Stuart Bondurant

Stuart Bondurant, *Dean*
UNC-CH School of Medicine

[1] "Artificial Intelligence in Medicine: Where Do We Stand?" William B. Schwartz, Ramesh S. Patil, and Peter Szolovits, *New England Journal of Medicine*, Vol. 316, p. 685, 1987.

Medical Alumni
BULLETIN
School of Medicine, University of North Carolina at Chapel Hill

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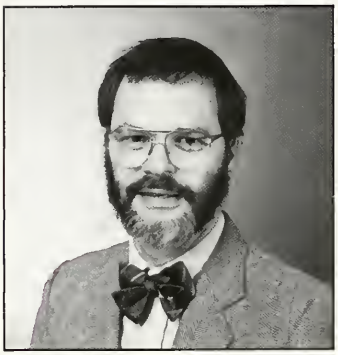
On the Cover

Tom Paulson (left) of the Medical School Class of '87, is congratulated by Dr. Edward Perl, Kenan professor of physiology. Paulson received one of the 160 medical degrees awarded during commencement exercises in May.

Faculty Notes



Marshall Edgell

Edgell Named Kenan Professor

Marshall H. Edgell, a professor in the UNC-CH School of Medicine, was recently named Kenan Professor of Bacteriology and Immunology. A member of the School of Medicine faculty for almost 20 years, Edgell is considered a pioneer in the area of gene-splicing. He directs the Molecular Biology and Biotechnology program at UNC, established in 1982 to promote and coordinate genetic engineering research and education at the University.

Edgell, 48, is a native of San Jose, CA. He received his B.S. degree in physics from the Massachusetts Institute of Technology and his M.S. degree in biophysics from Pennsylvania State University, where he also received his Ph.D.. He completed postdoctoral work at the California Institute of Technology before joining the School of Medicine faculty in 1968.

Three-year Grant Goes to UNC Researcher for Study of Elderly

A three-year grant totaling nearly $400,000 has been awarded to a UNC-CH School of Medicine faculty member and researcher.

Dr. Mark Williams, assistant professor of medicine, is studying whether an elderly person's ability to perform certain tasks may be used to predict the amount of health care that person will need someday.

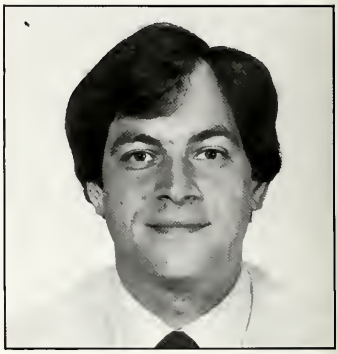
Williams expects to screen more than 2,000 elderly North Carolina residents during the study, which is funded through a grant awarded by the Robert Wood Johnson Foundation of Princeton, New Jersey. The project is one of five such projects nationwide receiving grant money from the RWJ Foundation to develop programs that improve patient function.

Williams said a major goal of the UNC project is to see whether "certain clinical observations can be used as 'vital signs' of function, much the way blood pressure or pulse rate are used as physical vital signs."

The project is based on a series of earlier pilot studies done by Williams, who developed for the studies a set of simple manual tasks (for example, transferring beans with a spoon from one container to another) that were timed.

Williams said the results of his earlier studies strongly suggest that the time needed by older people to perform simple tasks is related to their requirements for care.

"Many people who live independently perform manual tasks quickly and efficiently, while elderly persons needing home services or institutional care require much more time to complete the same tasks," Williams said.



Mark Williams

A faculty member at the UNC School of Medicine since 1985, Williams received his undergraduate degree from UNC, where he was a Morehead Scholar. He received his medical degree from UNC and was a house officer at N.C. Memorial Hospital. After completing the Robert Wood Johnson Clinical Scholars Program, he received a fellowship from the University of Rochester School of Medicine, where he studied geriatric medicine.

Mary Ellen Jones

Jones To Step Down As Chair For Biochemistry and Nutrition

Dr. Mary Ellen Jones, Kenan professor of biochemistry and nutrition in the School of Medicine, announced that she will resign from her post as chairman of the department when her term expires in June 1988.

A specialist in the regulation of metabolism, Jones came to UNC in 1966 and held appointments in the biochemistry and zoology departments. She returned to UNC in 1978 after spending seven years at the University of Southern California. In 1980 she was named Kenan professor, the first woman faculty member so recognized. She was also the first woman to head a department in the School of Medicine.

In May, Jones became the first recipient of the Mary Turner Lane Award. Presented by the UNC Association of Women Faculty, the award recognizes persons who have made outstanding contributions to the lives of women at UNC. The award honors Mary Turner Lane, who directed the Women's Studies Program at UNC from 1976-82 and chaired the Faculty Committee on the Status of Women.

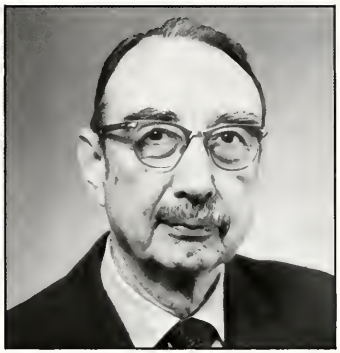
"Dr. Jones has served an extraordinarily successful tenure as chair," Dean Stuart Bondurant noted. "Her keen wit, strong leadership and infinite wisdom will be missed."

A committee headed by Dr. G. Phillip Manire, Kenan professor of microbiology, will search for a successor to fill the post vacated by Jones. Any comments or suggestions for potential candidates should be directed to Dr. Manire (through the Dean's office) by September 15, 1987.

William Richardson, Professor Emeritus, Dies at Age 81

Dr. William P. Richardson, professor emeritus of preventive medicine at the UNC-CH School of Medicine, died at Memorial Hospital in April. He was 81.

A major figure in the development of family medicine and public health programs in North Carolina, Richardson joined the UNC faculty in 1936. He served at one time as assistant dean for continuing medical education and was a professor of preventive medicine from 1952-77.



William Richardson

"Bill Richardson was among the first to recognize the need to bring health and medical care to the underserved or unserved communities and people of this state," noted Dr. Stuart Bondurant, Dean of the School of Medicine.

As principal investigator of a landmark study on handicapped children in Alamance County, Richardson helped lay the groundwork for understanding the state's handicapped children and the services available to them.

The School of Medicine and the Medical Alumni Association presented him with the Distinguished Service Award in 1978, and in 1980 the American College of Preventive Medicine gave him its Distinguished Service Award to recognize "his service to humanity for the improvement of preventive medicine."

Springtime at the Medical School

Graduation

On Sunday, May 10, the UNC School of Medicine awarded 160 medical degrees to the men and women of the Class of 1987.

Dr. Frederic Dalldorf, professor of pathology in the School of Medicine, delivered the commencement address, titled "Graduation Pearls." Drs. James Bryan and Newton Fischer presided over the hooding ceremony, held in Memorial Hall, where 110 men and 50 women received their medical diplomas.

For medical students and their guests, the ceremony climaxed a weekend of celebratory events, including a graduation cocktail gala Friday evening at the Sheraton Imprerial Hotel in Research Triangle Park, and a graduation picnic Saturday afternoon.

Figures from the student affairs office in the School of Medicine provide an interesting footnote to the Class of '87. Forty-five of the graduates will remain in the state for additional training; this number includes 24 graduates who will remain at N.C. Memorial. And, according to student affairs personnel, 96 percent of graduates participating in Match Day received one of their first three choices of program.

PHOTO BY DAN CRAWFORD

With the precious sheepskin clutched tight, Melisa Moore (right) shares post-commencement exultation with classmate Sarah Evans.

Distinguished Service Awards

During the 1987 Medical Alumni Banquet in April, the School of Medicine honored nine persons for their special contributions to medical education and health care.

The Distinguished Faculty Award and eight Distinguished Service Awards were presented by Dr. Stuart Bondurant, dean of the UNC School of Medicine.

Dr. William B. Blythe, professor of medicine and chief of nephrology at UNC, received the faculty award, which recognizes excellence in teaching, contributions to medicine in the state, leadership in physician continuing education, and efforts toward improving communication between faculty, alumni and state residents.

Chief of the UNC Department of Medicine's nephrology division since 1973, Blythe was featured in the UNC medical alumni magazine's special issue "Excellence in Teaching" in 1985. That same year, Central Carolina Bank of North Carolina presented Blythe with its Excellence in Teaching Award.

Distinguished Service Award recipients included Dr. Kenneth M. Brinkhous, alumni distinguished professor emeritus and former chairman of pathology, UNC; Dr. Thomas C. Butler, professor emeritus and former chairman of pharmacology, UNC; Orville B. Campbell, newspaper editor and publisher, Chapel Hill; and

Continued on next page

William Blythe

Kenneth Brinkhous

Thomas Butler

Orville Campbell

Charles Hayworth

Jack Hughes

Harry Meyer

Paul Munson

Bailey Webb

New officers were installed during the annual business luncheon meeting of the Medical Alumni Association. Recognized during the meeting were (left to right): W. Grimes Byerly, Jr., M.D. '50, vice-president; Noel McDevitt, M.D. '64, immediate past president; Joseph Russell, M.D. '69, president; Daniel Gottovi, M.D. '71 (HS), president-elect; and Joel Godwin, M.D. '59, councillor for district 9.

Charles E. Hayworth, furniture manufacturer and civic leader, High Point.

Service awards were also given to Dr. Jack Hughes, urologist, Durham; Dr. Harry M. Meyer, Jr., medical researcher, Pearl River, New Jersey; Dr. Paul L. Munson, professor emeritus and former chairman of pathology, UNC; and Dr. Bailey D. Webb, pediatrician, Durham.

The Distinguished Service Awards were created in 1955 to honor people whose careers and personal contributions have had a significant and positive impact on the University and the medical school.

Good food, good friends and a rousing game of volleyball (above), just what the doctors ordered for the annual student-faculty picnic, which gave winter-weary students a taste of spring and some much needed leisure time. The picnic took place on a balmy weekend in late March.

One sure harbinger of spring—Skit Night at the Medical School (left). During an ensemble number, cast members exhort classmates to "dress like a physician" (sung to the pop tune "Walk like an Egyptian").

Wyeth Scholar

Dr. Lars Larsen (kneeling) is recipient of the 1987 AHEC Wyeth Scholarship. Larsen is assistant professor of family medicine at the Duke-affiliated AHEC in Fayetteville. Joining Larsen in this photo are (left to right): Dr. Tim Lane, associate professor of medicine at Greensboro AHEC and '85 Wyeth Scholar; Justin McCarthy, vice-president for professional relations at Wyeth Laboratories; Dr. John Lister, coordinator of the scholarship program; Dr. Richard Olsen, associate professor of family medicine at the Mountain AHEC and '86 Wyeth Scholar; Dr. Eugene Mayer, associate dean and AHEC program director, and Dr. Richard Schwartz, clinical associate professor of pediatrics at the Charlotte AHEC and '84 Wyeth Scholar.

Alumni Weekend

More than 450 alumni, spouses and guests gathered in Chapel Hill in early April for the 1987 Spring Alumni Weekend, sponsored by the Medical Alumni Association and the School of Medicine.

Despite damp, chilly Spring showers, alumni made a brave showing at the various events slated for the weekend, most notably the annual Alumni Banquet on Friday night and the Saturday night reunion gatherings for the classes of '72, '67, '62, and '57. For the Class of '47, the weekend held special significance as class members were inducted into the Manning-Berryhill Club.

Another weekend highlight was the alumni association business luncheon and installation of officers for 1987-88. New Medical Alumni Association leaders are: Joseph D. Russell, M.D. ('69) of Wilson, president; Daniel Gottovi, M.D. ('64) of Wilmington, president-elect; W. Grimes Byerly, M.D. ('50) of Hickory, vice-president; David A. Rendleman III, M.D. ('70) of Raleigh, secretary; and Gregory Strayhorn, M.D. ('78) of Chapel Hill, treasurer.

The photographs shown here catch the spirit of this two-day gathering, where alumni met to exchange stories, share memories and renew old friendships.

Multipurpose Arthritis Center Meets the Challenge

By Dulcie Straughan

Arthritis. For many of us, the word conjures up images of Grandma rubbing her hands together on a cold winter morning and saying that her "rheumatism" is bothering her. We probably don't picture a young child crippled with arthritis, or a middle-aged man unable to work because his arthritis is so disabling. Researchers now know that there is no such thing as a typical arthirtis sufferer.

Statistics show that more than 35 million people in the United States suffer from some form of arthritis. In North Carolina, more than 750,000 people have arthritis.

We seem to have a misconception that arthritis is not a big health problem in our society," says Dr. John Winfield, director of the Arthritis Research Center at the University of North Carolina at Chapel Hill. "But the numbers show that it is. Arthritis costs about $14 billion a year in medical care, disability payments to workers, their lost wages and reduced productivity."

Because arthritis poses serious health and financial risks in North Carolina as well as across the nation, the National Institues of Health established a Multipurpose Arthritis Center (MAC) at UNC in 1982. The center is one of 12 similar federally sponsored programs nationwide. As director of the MAC at Chapel Hill, Winfield oversees a program designed to attack arthritis and its related problems on a number of fronts.

"Our program emphasizes research into the causes and treatment of arthritis as well as studying its psycho-social effects," says Winfield. "We're also concerned about educating people about arthritis."

Winfield and his colleagues also devote their time to caring for arthritis patients at North Carolina Memorial Hospital.

The hospital clinic is a busy one. On a typical day the waiting room is filled with people, young and old, waiting for diagnosis or treatment.

On this particular day, in one of the clinic's examining rooms, a woman in her 50s who has faint scars on her hands from surgery performed to help alleviate the pain and crippling caused by her arthritis, talks with a nurse about how to take her new medication properly.

"We want to bring this interactive group together under one roof." Dr. Winfield

In the adjoining examining room a younger woman describes the soreness she feels in her arm and chest—the result of arthritis.

A 5-year-old girl sits in the clinic's waiting room with her mother. She, too, suffers from arthritis and has come to receive physical therapy.

At the clinic, staff rheumatologists work closely with physical therapists, nurses, occupational therapists and other health professionals to help ease the suffering of arthritis patients and to make their lives as normal as possible.

While Winfield emphasizes the importance of care for arthritis patients, he says research into the causes of arthritis is the key to helping those who currently have the disease and those who may get arthritis in the future.

"The solution to the problem of arthritis in the long run lies with its prevention or cure," Winfield says. "We think our research program is making good progress in this area."

But research efforts into arthritis are complicated. Arthritis, which literally means redness or swelling of the joints, is not one disease, but "a symptom of more than 100 different diseases," says Winfield. "And since arthritis may be a symptom of an underlying disease in many

Physicians in the hospital's arthritis clinic see patients of all ages and occupations. Here, Dr. William J. Yount examines Shirley Edens.

cases, it frequently is accompanied by inflammation and injury to other organs in the body."

Winfield says that by using molecular biology techniques, researchers are now getting answers to the causes of arthritis.

"Arthritis may be caused by a microbial trigger. These triggers have not been fully delineated yet, but progress should be very rapid in the next few years. We can now induce arthritis in rats by giving them molecules contained in the cell wall of the common streptococcus bacterium," he adds.

Researchers at the Center also are doing research into systemic lupus erythematosus, a form of arthritis that inflames and damages connective tissue. SLE, which affects young women for the most part, not only damages tissue, but harms the body's ability to fight off infections, says Winfield. "We've done some work on the connection between SLE and AIDS," Winfield says. "They are alike in respect to damage to the immune system."

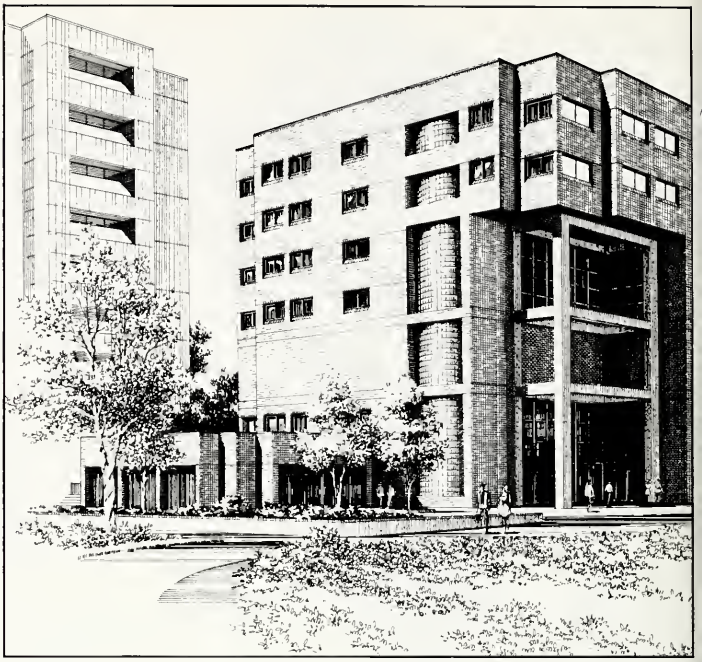
The Research Center currently has several federal grants to study SLE, which affects about one in 1,000 women. "SLE seems to be more prevalent in women of some races. Black women and Oriental women seem to have a higher incidence, for example," Winfield says. "It's a much better recognized condition now," he adds. "We have more specific tests to diagnose it."

Although much of the work at the Research Center takes place in laboratories, some research is done outside the medical center. "We're now looking at arthritis in rural or medically underserved areas," Winfield says. A study is underway in Johnston County to look at how people who have arthritis use the health system there to get services.

"One of the findings from our study is that black people in North Carolina seem to be more affected by arthritis. This is similar to national findings," Winfield says.

Winfield forsees a bright future for arthritis research. "We've made a lot of progress in developing specific medicines to help treat arthritis. But in a few years, these will seem old-fashioned compared to the ones that will be developed by then."

Dr. Straughan is a faculty member in the UNC-CH School of Journalism.



New Arthritis Research Facilities Planned

Research as extensive as the projects underway at the Arthritis Research Center at the UNC Medical School needs room to grow. Because of the need for more space, a building that will house the Research Center has been approved by the University and the General Assembly. A site has been selected, on the corner of Manning Drive and South Columbia Street. Now the funds need to be raised. According to Dr. John Winfield, director of the Arthritis Research Center, about half of the $12-14 million needed has already been pledged. Principal donor for the new center is Doc Thurston, retired chief executive officer of Thurston Motor Lines.

Winfield, who also is chief of the Division of rheumatology and immunology, Department of Medicine, says the center's current location is cramped. "The division of rheumatology and immunology is located in FLOB. Plus, we have staff in a trailer, and faculty in other divisions," Winfield says. "We want to bring this interactive group together under one roof. Messengers and electronic mail only go so far."

When completed, Winfield says, the center will be one of a kind in the Southeast. "A building will allow us to focus our efforts in a more coordinated way," says Winfield. "I believe it will improve our interdisciplinary efforts—the arthritis care team is a varied one, and we need to be able to work together more closely."

Included in the building's plans are three floors of basic science research laboratories and one floor of orthopaedics research laboratories. Plans also include space for administrative offices, a multipurpose conference room, and space for laboratory animals.

Winfield says there is a possibility that the new building will be completed in stages. "We feel it's vital to get the building going. The creation of a space like this is very important to the University and to the state."

Classnotes

Manning-Berryhill Club

Charles E. Flowers Jr., M.D. '43, was recently named distinguished professor at the University of Alabama-Birmingham School of Medicine, where he chaired the Department of Obstetrics and Gynecology from 1969 to 1985.

Cecil B. Dixon, M.D. '47, is a senior member of the South Boston (Virginia) clinic multi-specialty group. He is a member of the medical staff of the Halifax-South Boston Community Hospital and sits on the hospital's governing board.

Calvin Mitchener, M.D. '47, says he enjoys practicing dermatology in Charlotte. Mitchener and his wife, Cynthia, have four children.

J. Lloyd Pate, M.D. '47, left private practice in Fairmont three years ago and now lives in Raleigh. Pate works with the Department of Human Resources.

Erle E. Peacock, M.D. '47, is in practice in Chapel Hill. He and his wife have three children and one granddaughter.

Robert C. Rood, M.D. '47, practices in Detroit, where he works in two of the city's outpatient clinics that provide therapy for substance abusers. Rood writes that he plans "to continue working for some time—(I'm) too young to retire." Rood has eight children and 10 grandchildren.

C. Roy Rowe Jr., M.D. '47, is on the surgical staff of Iredell Memorial Hospital. Rowe is past chairman of the Statesville Red Cross, past president of the Statesville Rotary Club, and past president of the Iredell County Medical Society. He and his wife, Helen, have four children and three grandchildren.

Richard Willingham, M.D. '47, has an active practice in pediatrics in Knoxville, TN, where he is on the medical staff of several general hospitals. He and his wife, Dottie, have four children and two grandchildren.

Leon T. Zientek, M.D. '47, has a full-time practice in Reading, PA, and says he enjoys traveling, golf, woodcarving and gardening. He has four children and four grandchildren.

Erwin H. Zimmerman, M.D. '47, has an active dermatology practice in Huntington, NY. He teaches in the School of Medicine, SUNY-Stonybrook, and is president of the Long Island Dermatological Society. He and his wife, Ruth, have three children.

50s

Lyndon V. Anthony, M.D. '57, joined the faculty of St. Louis University School of Medicine in 1986, as an assistant professor of neurosurgery. Prior to that, Anthony lived in Wilmington, where he had been in practice since 1965.

H.J. Bradley Jr., M.D. '57, has been practicing urology in Greensboro since 1964. In 1986, he traveled to West Germany for training in use of the extracorporeal shockwave lithotripter. He and his wife, Mary, have four children.

James H. Burrus, M.D. '57, who lives in Shelby, writes that he has added a third associate to his practice, and is "slowing the pace somewhat."

James R. Clapp, M.D. '57, is a professor of medicine at Duke University. He has two grown sons. Clapp says he and his wife have no grandchildren yet, but that they consider themselves "too young for that."

Robert S. Cline, M.D. '57, practices in Sanford, where his professional activities include teaching family medicine to Duke and East Carolina University medical students at his clinic. He and his wife, Martha, have four children.

J. Grayson Dobson, M.D. '57, lives in Dobson, where he has practiced family medicine since 1961.

Jack B. Hobson, M.D. '57, practices internal medicine at Charlotte's Durwood Medical Clinic, where his specialty is hematology-oncology. He and his wife of 30 years have two children and two grandchildren.

William O. Jones, M.D. '57, lives in Cary, where he has a pediatrics practice with three associates. He and his wife, Frances, have five children and one grandchild.

Richard Liles, M.D. '57, is a part of a six-physician group family practice in Albemarle. He is a past president of the N.C. Association of Family Practitioners, and past president of the Stanley County Medical Society. He and his wife, Ann, have two children.

Mat L. Sparrow, M.D. '57, practices otolaryngology with a six-person group in Raleigh. He and his wife, Linda, have four daughters.

Gerald M. Wagger, M.D. '57, practices medicine at the Kaiser Permanente Medical Center in Redwood City, CA. Wagger is director of the Permanente Medical Group, Inc. He and his wife, Bobbie, live in Palo Alto. They have three children.

Martha K. Sharpless, M.D. '59, received an honorary Doctor of Science degree in May from Greesboro College. Sharpless is a professor of pediatrics at the UNC School of Medicine's Area Health Education Center, Greensboro.

60s

Oscar H. Bolch Jr., M.D. '62, practices OB/Gyn with a multi-specialty group in San Diego. He and his wife have three daughters. Bolch writes: "We would love to have a visit from anyone who comes to the San Diego area."

Robert Browning Jr., M.D. '62, practices family medicine in Richardson, TX, a suburb of Dallas. He organized and is chairman of the board for an IPA of 80 Richardson-area physicians. Browning writes that he has been ranching since 1968, and raises registered Angus cattle. His numerous civic activities include serving on the boards of the Richardson Symphony and the Texas Angus Association. He and his wife, Sandra Jane, have two sons.

Joseph Callicott, M.D. '62, lives in Lynchburg and practices with a four-person group (including classmate Fred Hamrick) called Pathology Consultants of Central Virginia, Inc. He is a member of the Lynchburg Academy of Medicine and serves on the Lynchburg school board. He and his wife, Phyllis, have three sons.

Giles G. Floyd, M.D. '62, has an orthopaedic surgery practice in San Francisco and Oakland, CA.

Thomas W. Gable, M.D. '62, has a general outpaitent psychiatric practice in Atlanta. He and his wife, Kathy, extend "an invitation to call whenever you're in Atlanta."

Marion W. Griffin, M.D. '62, practices general surgery in Asheboro. He has traveled to Haiti and Nepal with medical missionary teams.

Frederick Hamrick, M.D. '62, is in practice with classmate Joe Callicott in Pathology Consultants of Central Virginia, Inc. He and his wife, Carolyn, recently celebrated their 25th wedding anniversary. They have two daughters.

Ray M. Hayworth, M.D. '62, lives in Knoxville, where he practices psychiatry.

Charles M. Hicks, M.D. '62, lives in Wilmington, where he practices pediatrics with Wilbur Matthews ('61).

William C. Latham, M.D. '62, is a pathologist at Community General Hospital in Thomasville. He is a past president of the Davidson County Medical Society. He and his wife, Elizabeth, have three sons.

Arthur S. Lynn, M.D. '62, lives in Conover, and practices internal medicine with a three-person group in the Hickory area. He has three children and lists his hobbies as "filling out insurance forms, raking leaves and cleaning gutters."

Ward N. Madison Jr., M.D. '62, is practicing in Wichita, KS. He and his wife have two daughters.

Allen H. Moore, M.D. '62, is Deputy Regional Flight Surgeon for the Federal Aviation Administration. A retired U.S. Air Force colonel, Moore is based in Ft. Worth TX.

Kenny J. Morris M.D. '62, practices radiology with an eight-person group in Wilmington. His specialty is interventional radiology and angiography. He is chief of staff-elect at New Hanover Memorial Hospital. He and his wife, Carolyn, have three children.

William A. Nebel, M.D. '62, is practicing OB/Gyn in Chapel Hill. He has clinical faculty appointments at Duke and UNC. He and his wife, Ann, have been married 27 years and have two children.

Carl S. Phipps, M.D. '62, practiced internal medicine and endocrinology in Winston-Salem from 1966-85. He is vice-president of medical affairs for Forsyth Medical Hospital. He has four children and two grandchildren.

John F. Rhodes, M.D. '62, practices urology in Raleigh. He has two sons and a daughter.

Lambros C. Rigas, M.D. '62, has practiced OB/Gyn in Rome, GA, since 1967. He writes that he has been active in medical staff affairs at Rome's two community hospitals. His civic involvement includes the Salvation Army, Chamber of Commerce and Tuberculosis Association. Rigas and his wife, Ann, have two children.

Miriam F. Smith, M.D. '62, practices psychiatry in Tucker, GA. Smith writes that he enjoys hiking, jogging, photography and "a new and stimulating interest in anthropology."

Henry C. Turner, M.D. '62, lives in Winston-Salem, and is a staff anesthesiologist at Baptist Hospital. He enjoys working on his Yadkin County farm, hunting and traveling.

A. Everette James Jr., M.D. '63, is secretary-treasurer of the American Association of University Radiologists. He and his wife, Jeannette, chair the UNC Parents Council. They have three children.

Hans J. Arndt, M.D. '67, has a private practice in psychiatry, with emphasis on forensic psychiatry, in Toronto. He writes that he and his wife, Erika, are "in our second youth and have started racing bicycles." Arndt has three children.

P.G. Arnold, M.D. '67, is a professor of plastic surgery at the Mayo Medical School. He is plastic surgery consultant at the Mayo Clinic and has coauthored a book, *McCraw and Arnold's Atlas of Muscle and Musculocutaneous Flaps.* Arnold and his wife, Susan, have two sons.

Frederick Austin, M.D. '67, lives in Washington, where he is a member of the Pamlico Internal Medicine group and specializes in infectious diseases. Austin and his wife, Cheryl, have two children.

George R. Avant, M.D. '67, is an associate professor of medicine at Vanderbilt University, where he teaches gastroenterology. He and his wife, Barbara, have two children.

F. Walton Avery, M.D. '67, is a pathologist at Raleigh Community Hospital. He and his wife, Laura Jane, have two children.

Rudy W. Barker, M.D. '67, is in OB/Gyn group practice in Durham. He chairs the OB/Gyn department at Durham County General Hospital. He and his wife, Beverly, have three children.

Gerald W. Blake M.D. '67, of Raleigh, reports that he recently moved into a new office building "with all the joys and woes that accompany this." He practices with a group specializing in internal medicine and infectious disease.

George G. Bonham, M.D. '67, has a solo pediatrics practice in Rock Hill, SC. He and his wife, Susan, have three children.

Thomas S. Bundy, M.D. '67, practices OB/Gyn in Chambersburg, PA, where he is president of the Franklin County Medical Society. Bundy and his wife, Margaret, have two children.

Joey M. Carter, M.D. '67, lives in Phoenix, where he has a plastic surgery practice. He and his wife, Joyce, have one daughter and one granddaughter.

Charles L. Clark, M.D. '67, has a solo OB/Gyn practice in Las Vegas and writes that he is a "small-twon doc" in the rural northern section of New Mexico. His wife, Karen, is a Farm Bureau Insurance Agent. They have two children.

Joe M. Craver, M.D. '67, is professor of surgery at Emory University School of Medicine in Atlanta. His specialty is cardiac surgery. He and his wife, Beth, have two children.

John L. Currie, M.D. '67, recently left the OB/Gyn department at UNC to become director of gynecologic oncology at Johns Hopkins. Currie reports that he and his wife, Terre, are expecting a fourth child.

Weldon A. Dunlap, M.D. '67, lives in Honolulu, where he practices opthalmology as an Army physician. He and his wife, Bernadette, have one son. Dunlap writes: "I have gray hair that finally makes me look like a physician!"

C. Allen Eure, M.D. '67, practices internal medicine with the Raleigh Medical Group. He writes that he and his wife, Susan, "have been in Raleigh 13 years and enjoy living here very much." The Eures have two children.

David A. Evans, M.D. '67, practices OB/Gyn in Monroe. He is a member of the Liaison Committee on Malpractice for the North Carolina Obstetrical and Gynecological Society, and is also a member of the civil justice committee of the N.C. Citizens for Business and Industry group. He and his wife, Nell, have five children.

M. Wayne Flye, M.D. '67, is profof surgery and immunology at Washington University School of Medicine, St. Louis, where he also directs the multiple organ transplantation and immunobiology program. He and his wife, Phyllis, have two children.

Donald Garrison, M.D. '67, is a neonatologist at University Hospital in Jacksonville, FL. He has two children. Garrison reports that he remarried in 1983 to a Jacksonville native.

Jerry W. Greene, M.D. '67, recently completed six years in San Antonio, TX, as director of international medical education for the Air Force. Greene reports that since leaving UNC, he has spent a lot of time in Europe and the Far East. Greene, who received a diploma from the Cordon Bleu Cooking School in Paris in 1972, says he plans to retire from the Air Force next summer, and "do something interesting (but) yet to be determined."

O. Drew Grice, M.D. '67, has a general surgery practice in New Bern. He and his wife, Ann, have one child.

Rovert V. Hale, M.D. '67, is an opthalmologist in Chapel Hill. He and his wife, Sandy, have two children.

Harvey J. Hamrick, M.D. '67, is a faculty member in the UNC Department of Pediatrics. He and his wife, Ann, have two children.

E. Frank Hart Jr., M.D. '67, practices otorhinolarynology in Morganton. His specialty area is cosmetic and facial plastic surgery. He and his wife, Nancy, have five children.

John Hollifield, M.D. '67, is an endocrinologist in Nashville. His specialty is treatment of hypertension, and he writes that he loves being in private practice. He and his wife, Phyllis, have one daughter.

Howard D. Homesley, M.D. '67, is a professor in the Bowman Gray School of Medicine, where he heads the gynecologic oncology section. Homesley is president-elect of the North Carolina Obstetrical and Gynecological Society. Recent travels took him to China, Japan, Ireland, Haiti and Switzerland. He and his wife, Jane, have two sons.

Fuller Honeycutt, M.D. '67, is chief of the radiology department at Raleigh Community Hospital. He and his wife, Wendy, have two children.

Allen Huffman, M.D. '67, has practiced OB/Gyn in Hickory since 1975. He sits on the Board of Directors of Frye Regional Medical Center and chairs the Board of Trustees for Catawba County Historical Association. Huffman and his wife, Barry, have two children.

James D. Hundley, M.D. '67, lives in Wilmington, where he has an orthopaedic surgery practice. He and his wife, Linda, have three children.

Linda H. Jackson, M.D. '67, was recently appointed director of Child and Adolescent Psychiatry at the University of South Carolina School of Medicine. She is involved in teaching, administration and psychoanalysis. She writes "After 15 years in Knasas, it's good to be back in the Carolinas, even if not in the Old North State." She and her husband, Howard, have one child.

William B. Jarman, M.D. '67, is an orth-
opaedic surgeon in Gastonia and writes that he'd "rather be farming." He has two children.

Scott G. Kleiman, M.D. '67, is an orthopaedic surgeon specializing in sports medicine in Marietta, GA. He is team physician for the United States Roller Skating Team. He and his wife, Kathy, have four children.

Frank W. Leak, M.D. '67, has a family practice in Clinton. In 1986 he received the Family Physician of the Year Award from the North Carolina Academy of Family Physicians. The Leaks have four children.

Hugh T. Lefler Jr., M.D. '67, practices OB/Gyn in Fort Worth TX. He and his wife, Connie, have two children.

Clifford T. Lewis, M.D. '67, is in group practice with two other internists in Wilmington. Lewis and his wife, Libby, have three children.

John Z. Little, M.D. '67, practices general and vascular surgery in Springfield, OH. He and his wife, Diane, have one son.

Philip Littleton, M.D. '67, is in private practice with a three-person group in Burke, VA. He and his wife, India, have two sons.

Robert W. Madry Jr., M.D. '67, practices cardiology with three partners in Corpus Christi, TX. He remarried two years ago and has a new daughter.

R. Bernard McAdam, M.D. '67, is a neurosurgeon in Yorktown, VA. He and his wife, Frankye, have three children.

W. Jason McDaniel, M.D. '67, is an orthopaedic surgeon at the Raleigh Orthapaedic Clinic. He and his wife have two children.

James M. McLamb, M.D. '67, retired from the Navy last September and now chairs the Department of Community, Health and Family Medicine at University Hospital in Jacksonville, FL:. He and his wife, Ann, have two sons.

Joseph T. McLamb, M.D. '67, practices orthopaedics in Goldsboro. McLamb and his wife, Kay, have two children.

G. Farrell McNeely, M.D. '67, is a radiologist in Gainsville, FL, where he practices diagnostic and interventional radiology at North Florida Regional Hospital. He and his wife, Sharon, have two children.

Rudolf Mintz Jr., M.D. '67, practices OB/Gyn with a five-person group in Kinston. He and his wife, Connie, have two children.

Larry Mumford, M.D. '67, has a solo neonatology and pediatric practice in Durham. He and his wife, Alice, have two children.

John B. Overton, M.D. '67, practices cardiovascular and thoracic surgery in Stockton, CA. He and his wife, Melissa, have two sons.

Harold B. Owens, M.D. '67, practices diagnostic radiology with Danville (VA) Radiologists, Inc. He writes that he has two grown daughters, "but no sons-in-law, yet."

Barber J. Parks, M.D. '67, is a surgeon in Golden, CO. His specialty is hand and upper extremity surgery. Parks writes that he and his wife are in the process of adopting a Korean child.

Gerald Pelletier, M.D. '67, practices orthopaedics in New Bern. He has three children.

Bruce A. Phillips, M.D. '67, has a solo practice in internal medicine and gastroenterology in Elizabethtown. He and his wife, Nancy, recently celebrated their 23rd wedding anniversary. They have four children.

A.L. Roper II, M.D. '67, is an otolaryngologist whose specialty is facial plastic surgery. He and his wife, Nancy, have one daughter.

Douglas Russell, M.D. '67, practices general surgery in Goldsboro. He and his wife, Carolyn, have three teenage children.

Walter R. Sabiston, M.D. '67, lives in Kinston and is part of a three-person otolaryngology group. His specialty is head and neck surgery. Sabiston is a member of the Kinston Chamber of Commerce, the Kinston School Board, and the state board of the American Cancer Society. He and his wife, Joan, have four children.

James Spruill, M.D. '67, is a neurologist in Jackson, TN. He and his wife, Gail, have two daughters.

Henry Thomason, M.D. '67, is part of a private group practice in Gastonia. He is president of the Gaston County Medical Society. He and his wife, Rosalind, have two teenage sons.

J. Wayne Tippett, M.D. '67, practices orthopaedics in San Antonio, TX. He and his wife, Jo, have four children.

Jay R. Tuttle, M.D. '67, is a senior partner in the Surgical Clinic of Vincennes (IN), where he practices vascular surgery, especially head and neck cancer surgery. He and his wife, Carol, have three children.

M. Dennis Wachs, M.D. '67, is part of a four-person group practicing orthopaedic surgery in Bedford, NH. He and his wife, Irene, have three teenagers.

Benjamin K. Ward, M.D. '67, is a urologist in Florence, SC. He and his wife, Anne, have two children. Ward writes that with the approach of his 20th-year medical class reunion, he is "struggling to keep my weight down!"

Barry M. Welborne, M.D. '67, is practicing internal and cardiology at the Charlotte Medical Clinic. He and his wife, Joanne, have three children.

Rhoderick Williams, M.D. '67, practices diagnostic radiology in Roanoke Rapids. He and his wife, Betsy, have two children.

John L. Powell, M.D. '68, is chief of gynecologic oncology and associate professor of OB/Gyn at Baystate Medical Center in Springfield, MA. Powell has been invited by the Chinese Medical Association to join a delegation of specialists in laser medicine who will be visiting the People's Republic of China this Fall.

70s

Myron H. Brand, M.D. '72, specializes in gastroenterology in Madison, CT. He and his wife, Sandra, have three children.

Peter R. Bream, M.D. '72, is a diagnostic radiologist at St. Vincent's Medical Center in Jacksonville, FL. Bream and his wife, Lynn, have two children.

Peter G. Chikes, M.D. '72, has a private practice in otolaryngology in Concord. He and his wife, Nancy, have four children.

Randolph B. Cooke, M.D. '72, is part of a family practice group in Owego, NY, where he and wife, Anne, are raising their two sons.

W. Rodwell Drake, M.D. '72, is in a group practice at the Henderson Family Medicine Clinic in Henderson. He and his wife, Beverly, have three children.

J. McNeill Gibson, M.D. '72, practices general internal medicine with the Mecklenburg Medical Group in Charlotte. He and his wife, Gail, have two children.

Al Hamrick, M.D. '72, has a family medicine practice in Raleigh. He and his wife, Ann, have three children.

Sampson E. Harrell, M.D. '72, has a family medicine practice in Durham. He and his wife, Lizzie, have one son.

Gregory F. Hayden, M.D. '72, is associate professor of pediatrics at the University of Virginia. He will be on sabbatical next year to work on childhood immunizations for the World Health Organization in Geneva. He and his wife, Sheila, have two daughters.

Christian Heaton, M.D. '72, has been chief of the department of obstetrics and gynecology at Wake Medical Center for four years. He practices with a five-person group, including Marguerite Gilkey, M.D., sister of John Gilkey, M.D. '72, and three certified nurse midwives. He and his wife, Jane, have two children.

Dwight Hedgepeth, M.D. '72, is a medical missionary in Zaire, Africa.

John T. Henley Jr., M.D. '72, is an otolaryngologist in Fayetteville, where he serves as medical director of the Fayetteville Ambulatory Surgery Center. He is also president-elect of the National Federated Ambulatory Surgery Association. He and his wife, Susan, have two children.

Thomas G. Irons, M.D. '72, is associate professor of pediatrics at East Carolina University School of Medicine. He and his wife, Carol, have three children.

Howard S. Kroop, M.D. '72, is president of the Underwood-Memorial Hospital Medical/Dental Staff in Woodbury, NJ. Kroop is chief of the hospital's internal medicine division. He and his wife, Deborah, have two children.

Robert W. Little, M.D. '72, has a private practice in pediatrics in Burlington. He and his wife, Linda, have three children.

William E. Long, M.D. '72, practices family medicine with a four-person group in Conover. He and his wife, Kay, have two children.

John R. Lurain III, M.D. '72, is associate professor of OB/Gyn and head of gynecologic oncology at Northwestern University Medical School in Chicago. Lurain and his wife, Nell, have two daughters.

John R. Partridge, M.D. '72, practices OB/Gyn with a five-person group in Midlothian, VA. He and his wife, Deborah, have two children.

Ronald J. Stanley, M.D. '72, is a dermatologist in Boone, where he devotes most of his free time to wife, Cheryl, and their three children.

William C. Tate II, M.D. '72, has a private practice in Banner Elk. He and his wife have five children.

G. Dean Wilson, M.D. '72, practices neurology with a five-person group in Johnson City, TN. He writes that he and his family encourage classmates "to visit the Tennessee Tarheels here in the mountains."

M.F. Yarborough, M.D. '72, practices general surgery in Raleigh. He and his wife, Sophia, hav a one-year-old son.

J. Richard Young, M.D. '72, is medical director of the psychiatric unit at Norwood Hospital in Newton Highlands, MA. He has two sons.

S. Tyrus Maynard, M.D. '73, began "an open-ended leave from practice" last fall, after eight years as a family medicine physician in Black Mountain. He hopes to stay out of the red by doing a little emergency room work, while he finishes his house and pursues interests in computers, software development, writing and volunteer work overseas.

Thomas Dillard, M.D. '78, is an assistant professor in the pulmonary division of the East Carolina University School of Medicine.

80s

William Winkenwerder, M.D. '81, recently served as a special assistant to William Roper, Head of the Health Care Financing Administration in the Department of Health and Human Services.

John F. Zwerneman, M.D. '82, is chief medical consultant at Princess Alice Hospital, Grenada. He established the Grenada Medical Mission Fund, a not-for-profit corporation that supports medical missionary work in Grenada and refurbishment of Princess Alice Hospital. He and his wife, Amy, have two children.

Dianne Zwicke, M.D. '82, recently completed a fellowship in invasive cardiology. She is Medical Director of Critical Care Services for Mt. Sinai Medical Center, University of Wisconsin at Milwaukee.

Rebecca M. Fore, M.D. '83, lives in Anderson, SC, where she recently opened a family medicine practice.

J. Willis Oglesby, HS '83, was inducted recently as a fellow of the American Academy of Orthopaedic Surgeons.

Deaths

J. Lowery Miller, M.D. '25
Ben L. Matthews, M.D. '27
C. Hege Kapp, M.D. '25
Joseph P. Demeri, M.D. '43
Nicholas A. Love, M.D. '50
M. Lawrence Kouri, M.D. '62

CORRECTION

Robert S. Lackey, M.D. '46, is a member of the Co-Founders' Club for 1986-87. His name was inadvertently omitted from the names listed in the February *Bulletin*.

News Briefs

Nobel-Prize Winner Speaks at School of Medicine

Dr. Rosalind S. Yalow, a Nobel Prize-winning physicist and biomedical researcher, in March presented the UNC-CH School of Medicine's Distinguished Lecture in Medical Sciences.

Yalow, who helped pioneer the use of radioactivity to measure blood plasma levels of hormones and other substances, spoke to more than 100 faculty and students on "Radioacivity in the Service of Humanity." During her day-long visit to the school of medicine, Yalow also held informal discussion sessions with medical students and faculty members.

A senior medical investigator at the Bronx, New York, Veterans Administration Hospital, Yalow received the 1977 Nobel Prize in Medicine or Physiology for the role she played in developing radioimmunoassay, a technique known as RIA, that allowed endocrinology researchers to identify previously undetected hormones.

Yalow, who during the lecture reminicsed about the reluctance of medical colleagues early on to accept the theory behind RIA, paved the way for other researchers to identify and measure crucial hormones produced in the hypothalmus of the brain.

CF Research Gets Boost from CBS Donation

Colorful CBS sports commentator and oddsmaker Jimmy "The Greek" Snyder and Neal Pilson, president of CBS Sports, visited the School of Medicine in April to present a $16,000 contribution for cystic fibrosis research. Dr. Thomas Boat, chairman of Memorial Hospital's pediatrics department, accepted the check.

The money was raised during the CBS pre-game superbowl program featuring a "Beat-the-Greek" segment that allowed viewers to make a 50-cent call and attempt to best Snyder's game predictions. At the suggestion of Snyder and his wife, a part of the money raised during the phone-in was designated for cystic fibrosis.

The Snyders, who live in Durham, lost two children to the disease. For more than 20 years, they have been heavily involved in fund raising efforts for CF research.

UNC Medical Students Receive Holderness Medical Fellowships

Twelve students at the UNC-CH School of Medicine have received Holderness Medical Fellowships for 1987-88.

Receipients are: Teresa T. Anderson of Asheboro; Lanier H. Ayscue of Raleigh; Robert G. Elgin of Lampos, CA; John W. Entwistle of Knob Noster, MO; David C. Hillsgrove of Chapel Hill; Mark Hom of Richmond, VA; Stephen C. King of Radford, VA; William L. Lawing of Chapel Hill; Christopher D. McKinney of Spruce Pine; Brian M. Sumner of Gettysburg, PA; Murphy F. Townsend of Philadelphia, PA, and Patrick A. Wilson of Charlotte.

The awards, worth $3,000 each, to support research and other scholarly work. Recipients this year are studying issues that range from the developmental disabilities of adolescents and adults, to the use of magnetic resonance imaging for head and neck scans.

The Holderness Medical Fellowship Awards were created by the Howard Holderness family of Greensboro.

"This is an excellent program for enriching the training and enhancing the experiences of selected medical students to help them reach their full potential," said Dr. John Sessions, Jr., professor of medicine and director of the Holderness program.

Philanthropist Gives Money for Scholarship Program

Thomas J. Dark, Jr., a long-time benefactor of UNC-CH, has given the School of Medicine $381,600 to support a scholarship program for medical students. His gift is a significant amount of the total needed to match a gift from UNC's Morehead Foundation.

A member of the class of 1925, Dark is a Siler City native identified with UNC not only for his philanthropy, but for his personal involvement in programs like the General Alumni Association and the Carolina Fund.

In 1977 he established the Thomas J. Dark, Jr. Distinguished Professorship in Otolarynology to support research on diseases of the ear, nose and throat.

President's Letter

Over the past three to four years, the Alumni Task Force has been formulating a goal. That goal is to make the University of North Carolina School of Medicine and the Medical Alumni Association the best that it can be. A key factor for attaining this goal is improved communications between the alumni and the faculty and staff at the School of Medicine and North Carolina Memorial Hospital.

One way to attain improved communication is through the Carolina Consultation Center, which has emerged largely through the efforts of the Alumni Task Force and visiting committee and the support and assistance these two groups have received from Dean Bondurant, the medical school faculty and Eric Munson of Memorial Hospital. By providing immediate access to staff and services of the School of Medicine and Memorial Hospital, the Center is contributing greatly to solving the problem of consultative communication and patient referral.

The commitment to the Consultation Center is an excellent example of how alumni can, by communicating their concerns, make the school better. And, commitment to the Center demonstrates that the Dean, the faculty and Memorial Hospital administration are sensitive to the concerns of alumni and of all health care providers.

Likewise, the Alumni Association, by establishing the Medical Alumni Endowment Board, has demonstrated its sensitivity to the needs of the school. The Endowment Board and the development program are intended to support better communications between the School of Medicine, North Carolina Memorial Hospital and alumni. Particular emphasis is given to the support of academic enrichment programs for alumni, faculty development, and those needs and requirements that will promote excellence in education, research and service to the medical school and the hospital.

To serve the needs of both the alumni and the School of Medicine, the Medical Alumni Association must possess high visibility and recognition. But a major problem the Association faces is lack of office space and staff. One possible solution is to share space with the Medical Foundation. Combining office space would have several advantages, since many Medical Alumni Endowment Fund efforts involve the Foundation. It is important to note, however, that the Medical Alumni Association intends to stand on its own financially and to complement, not infringe upon, Foundation programs.

Finally, let me say that when we refer to *best* and the idea of our having the best alumni association, we automatically assume that a difference exists—a difference in the spectrum from worst to worse, bad to good, and *better to best*. We have chosen to make this alumni association the best, which puts us in the dynamic—not the static—position on the leading edge of excellence.

Just what is it that makes the difference? I believe the difference is you. *You are the difference*. Not the bricks and mortar, not the technical equipment, but you. With this in mind, let us move forward on the leading edge of excellence to make the University of North Carolina School of Medicine and its alumni association the best that they can be.

Joseph D. Russell, M.D. '69
President,
Medical Alumni Association

CALENDAR

November 20-21

Fall Alumni Weekend
UNC vs. Duke
Visiting Committee meeting
Class of '77 reunion

1988

April 22-23

Medical Alumni Weekend:
Class reunions: '78, '73, '68, '63, '58
Manning-Berryhill Club dinner
for induction of Class of '47

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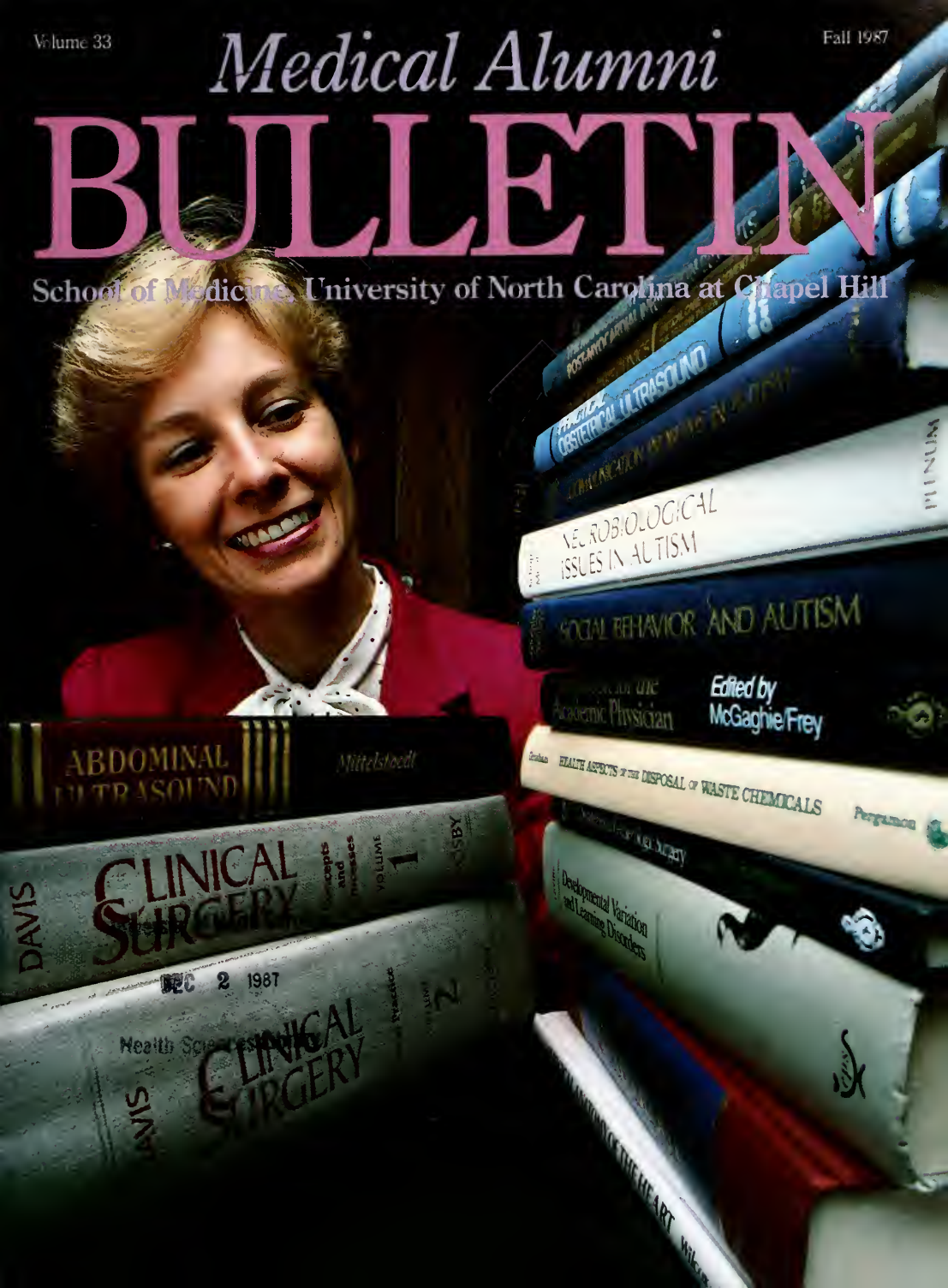
Medical Alumni BULLETIN

School of Medicine, University of North Carolina at Chapel Hill



Dean's Page

Strong and relevant research is a necessary but not sufficient condition for sustaining superlative academic clinical programs, and the National Institutes of Health has been the principal source of this base of our effectiveness.

In honor of the Centennial of the National Institutes of Health, I will devote this column to the following overview of what the National Institutes of Health has meant to the State of North Carolina and to our medical school.

Enduring institutions of medical education came late to North Carolina. It was only late in the 19th Century that the first lasting North Carolina school was started in Chapel Hill and only after 1930 that Duke graduated the first accredited North Carolina M.D. Forty years ago, immediately after World War II, Duke was an adolescent medical school, Bowman Gray was a malnourished preemie of uncertain prognosis and UNC was only a gleam in the eyes of several putative fathers with a potential mother (The State of North Carolina) of uncertain commitment. The health indices of the people of North Carolina were among the worst in the nation.

In 40 years a social advance of historic proportions has been achieved. North Carolina now has four strong medical schools, outstanding physicians over the entire state and health care as good as that available anywhere in the world.

The National Institutes of Health was clearly the single greatest source for the development of the infrastructure of knowledge on which this great achievement rests. Expansion of the extramural research programs of the National Institutes of Health into the medical schools of the state empowered medical education and consequently medical practice in this state.

The medical school of UNC-CH is a classic example of the second of three generations of medical schools founded in the United States in the 20th Century. The School had had small but strong basic science departments for many years. The addition of clinical departments and Memorial Hospital, along with great expansion of the basic science departments, occurred coincident with the vastly expanded extramural programs of the National Institutes of Health. Many of the founders and original faculty of the expanded school were products in one sense or another of the National Institutes of Health, and the school soon incorporated a solid base of research with broad interactions with the National Institutes of Health.

Training grants at Chapel Hill and across the nation were the principal source of support for the development of faculty to conduct research, to improve the quality of medical education, and to allow for the expansion of class size in the 60s and 70s.

Several of the research grants held by our faculty are notable for sustained excellence and productivity. The longest research project grant in the history of the National Institutes of Health is the grant "Blood Coagulation and Hemophilia," which Dr. Kenneth Brinkhous has held for 40 years. Drs. Carl Gottschalk and Judson Van Wyk have grants which have been continuously active for 31 years. Dr. Al Briggaman's grant, "Utilization of Epidermal Cell Model from Human Skin," is in its 21st year, and Dr. John Parker's grant, "Ion transfer and Metabolism in Mammalian Red Blood Cells," is in its 20th year.

I wish to cite six specific ways in which the National Institutes of Health has contributed importantly to the School of Medicine of the University of North Carolina at Chapel Hill:

- The National Institutes of Health has provided direct support for many important projects and programs which have improved medical education and health care.
- The National Institutes of Health has educated, oriented and inspired generations of faculty.
- The National Institutes of Health has stimulated changes in curriculum to accommodate new technologies.
- The National Institutes of Health has provided important tools or technologies for patient care through research in Chapel Hill or elsewhere.
- The National Institutes of Health has strengthened the link of scholarship and research to the real world and in doing so has had a salutary influence on the University.
- The National Institutes of Health has helped educate the public to the value of health care and the seminal role of research in assuring effective health care.

One can accurately say that it is not possible to be a student, a patient, or a practicing physician at the School of Medicine of the University of North Carolina at Chapel Hill without encountering a substantial effect of the programs of the National Institutes of Health.

Stuart Bondurant

Stuart Bondurant, Dean

Medical Alumni BULLETIN

School of Medicine, University of North Carolina at Chapel Hill

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On the Cover

Health Sciences Library Director Carol Jenkins examines an impressive stack of scholarly books written or edited by School of Medicine faculty in the last 18 months. The titles and authors of publications shown here are: *Abnormal Ultrasound* by Carol A. Mittelstaedt, M.D., radiology; *Clinical Surgery: Volumes 1 and 2* co-authored by George Sheldon, M.D., surgery; *Surgical Anatomy of the Heart* co-authored by Benson Wilcox, M.D., surgery; *Comprehensive Gynecology* by William Droegemueller, M.D., obstetrics and gynecology; *Developmental Variations and Learning Disorders* by Melvin Levine, M.D., pediatrics; *Strategies in Gynecologic Surgery* co-authored by Leslie Walton, M.D., obstetrics and gynecology; *Social Behavior in Autism, Neurological Issues in Autism* and *Communication Problems in Autism* by Eric Schopler, Ph.D., psychiatry, and Gary Mesibov, Ph.D., psychiatry; *The Management of the Post-Myocardial Infarction Patient* by David Sheps, M.D., medicine; *Critical Care Clinics: Critical Care Management of the Trauma Patient* by Anthony Meyer, M.D., surgery, and *Practical Obstetrical Ultrasound* by John Seeds, M.D., and Robert Cefalo, M.D., obstetrics and gynecology.

Pediatric Endocrinology: UNC at Forefront of Challenging Field

By Dulcie Straughan

When Judson J. Van Wyk, M.D., joined the UNC medical school in 1955 as a pediatric endocrinologist, funds for research were scarce and the demand for pediatric services was, as he says, nearly insatiable.

But, with the help of the dean of the medical school and the chairman of the pediatrics department, Van Wyk set up a clinic for children with endocrine disorders and began a laboratory research program.

Thirty years later, Van Wyk and a team of researchers in the department are at the forefront of a new and increasingly complex field of study—human growth factors—and one that has implications for a host of other research areas, including cancer.

The pediatric endocrine clinic is now a major referral center for children with growth disorders and other similar problems, says Van Wyk. "But I get my greatest satisfaction from the endocrine training program I direct."

The training program, which is jointly operated with the endocrine division of the department of medicine, has been funded by the National Institutes of Health since 1962, says Van Wyk. Many graduates of the program are now directing their own research programs at other universities across the country.

Through this program, Van Wyk and his associates have made significant contributions to the rapidly expanding field of pediatric endocrinology.

"I think we've been successful," says Van Wyk, "because we've had enlightened leadership from our department chairs and excellent staff members." The emphasis on basic research also has made a significant difference, he notes.

"Our approach—to have clinical investigators involved in basic laboratory research—really has the greatest yield in terms of patient care," says Van Wyk.

The progress that Van Wyk and his associates have made in the study of growth factors really began in 1962. Before then, Van Wyk had been mainly concerned with the skeletal growth of children and the influence that thyroid hormones, growth hormone and sex steroids had on a child's later adult stature.

"In 1962, we were trying to determine what value human growth hormone extracted from pituitary glands would have on children with certain types of growth failure," he says. "At the time, this treatment was highly experimental. No one really understood how growth hormone produced growth."

"The research we've done on growth disorders in children will lead to much more fundamental developments than we ever dreamed possible."

Dr. Judson Van Wyk

At that time, growth hormone concentrations couldn't be measured directly; instead, serum from a patient was tested in the lab for its ability to stimulate skeletal growth. The St. Louis physician who had developed the test hypothesized that because growth hormone itself was inactive in this test, it must act indirectly by stimulating an unknown substance in the body.

"But then someone else developed a more direct measurement of growth hormone in the blood, so his concept that growth hormone acts indirectly was forgotten by most investigators," says Van Wyk.

A few years later, Van Wyk and his associates decided to pursue this idea. They eventually isolated a substance—a small protein called a peptide—that they named somatomedin-C. "This substance mediates the action of growth hormone," says Van Wyk.

At about the same time, a Swiss research team isolated an insulin-like peptide that turned out to be identical to somatomedin-C. They also identified a second somatomedin.

What have been the results of this discovery? "One of them has been the development of a radioimmunoassy to accurately measure the concentration of somatomedin-C in blood," says Van Wyk. This test is now used worldwide to help diagnose growth hormone excess and growth hormone deficiency.

In addition, Drs. Louis E. Underwood and David Clemmons, two of Van Wyk's associates, have shown that somatomedin-C levels are very low in people who are malnourished. "Measurements of somatomedin-C probably

provide the best measure of the nutritional status of patients who are undergoing hyperalimentation or intravenous feeding," says Van Wyk.

But fully understanding the significance of these somatomedins as key members of the newly recognized class of peptide growth factors is the challenge that lies ahead.

"The research we've done on growth disorders in children will lead to much more fundamental developments than we ever dreamed possible," says Van Wyk. "Growth isn't simply a matter of growing taller. It's a process that continues from the time of conception to death."

Van Wyk says that this recognition of the importance of somatomedins has thrust his research group into the center of "one of the most exciting and promising areas of biomedical research."

A recent finding that normal peptide growth factors are closely linked to transforming growth factors and products of cancer-producing genes, and so potentially related to the malignant transformation of cells, has increased researchers' interest in the area, says Van Wyk.

Currently, Van Wyk is studying the cellular mechanism by which the somatomedins act and how they are related to other peptide growth factors and cancer producing genes.

Underwood and Dr. A. Joseph D'Ercole are examining the influence of growth factors on fetal growth. D'Ercole, along with Van Wyk and Dr. Kay Lund, also are trying to determine exactly where somatomedin genes are expressed and how they are regulated. Other research efforts by Dr. Marco Conti are focused on defining its role in reproduction.

Just about the time that Van Wyk and his colleagues were making important discoveries in the field of human growth factors, Lewis Thomas wrote a book called "Lives of a Cell" (now considered a classic in the science field), in which he speaks of the importance of basic science to progress in science and medicine.

"I have a strong hunch that the greatest part of important biomedical research waiting to be done is in the class of basic science," Thomas writes. "There is an abundance of interesting fact relating to all of our major diseases, and more items of information are coming in steadily from all quarters in biology. The new mass of knowledge is still formless, incomplete, lacking the essential threads of connection, displaying misleading signals at every turn, riddled with blind alleys. . . It is a puzzling time, but a very good time."

Van Wyk says "I think our research group has shown that by pursuing a clinical problem at a very basic level in the laboratory, we have ended up in the mainstream of modern biology."

But Van Wyk is concerned that the number of physicians beginning research careers is dwindling, along with training programs for research physicians and funding for basic research.

Medical costs are high and some point to research expenditures as the reason for increased costs. "Some people have said there is too much preoccupation with research projects," says Van Wyk. "The fact is that the number of physicians entering research training over the past five years has dropped by 50 percent.

"Basic research has been the key to explosive advances in patient care," he says, "just as it has been the key in other areas."

Van Wyk says that when he came to Chapel Hill in 1955, it was at a time when polio epidemics killed children each summer, and when a diagnosis of leukemia or other childhood malignancies was the same as a death sentence.

"Today, none of our young pediatricians has ever treated a child paralyzed by polio. Many of our physicians have never even seen a child with diptheria, whooping cough, measles or tuberculosis." Also, he says, acute rheumatic fever today is rare and 10-year survivals are common in children with leukemia or some other forms of cancer.

"Revolutionary discoveries in molecular and cellular biology and in growth factor research are now opening similar opportunities for the prevention and treatment of genetic disorders, congenital malformations and a number of other disabilities," says Van Wyk. "But we can't achieve this unless we support clinical investigation and train new scientists."

Dulcie Straughan is on the faculty of the UNC-CH School of Journalism.

Dr. Judson J. Van Wyk has been awarded a $1.3 million grant from the National Institutes of Health to continue his research into the role of somatomedins and other growth factors.

The grant, which provides funding through 1991, is a renewal of the first grant that Van Wyk received from NIH when he joined UNC's medical staff in 1955. It is one of the longest running NIH-sponsored grants at UNC.

Van Wyk says this is the largest amount he's received from NIH. "I got every nickel that we asked for," he says. "I'm gratified that they gave it to our program. It will make it possible for us to go into some new areas and answer some important questions."

Present and Future Areas of Research on Growth Factors

CANCER	What role do growth factors play in the growth of cancer cells? Can we influence the growth of cancer cells by blocking the production or action of specific growth factors?
FETAL GROWTH	How is the production of growth factors regulated in the fetus? How are these growth factors affected by malnutrition? How do growth factors influence the differentiation of specific organs and tissues?
HEMATOLOGIC DISORDERS	How do specific growth factors (e.g. erythripoetin or colony stimulating factors) interact with broader spectrum growth factors in blood disorders? Can growth factors be used to treat different kinds of anemia and white cell disorders?
GASTROINTESTINAL DISORDERS	Could growth factors be useful in recovering from ulcers or from malnutrition?
IMMUNE DISORDERS	How do interleukins interact with broader spectrum growth factors in immunodeficiency disorders? Can growth factors be used to overcome immune deficiency states?
WOUNDS AND BURNS	Would the introduction of growth factors help heal wounds and burns?

Health Promotion, Disease Prevention Cornerstone of New Effort

By Dick Broom

The notion that doctors ought to be concerned with promoting health and preventing disease is "as old as the hills," says Dr. Floyd Denny. "Yet, for most people in academic medicine, it is really a new concept. We have been geared for so long toward caring for the sick and injured."

In recent years, medical schools around the country have begun to reassess their rigid orientation toward therapeutic and corrective medicine. The UNC-CH School of Medicine has been among the most active and innovative in introducing the concept of prevention into teaching and training programs, clinical practice and research.

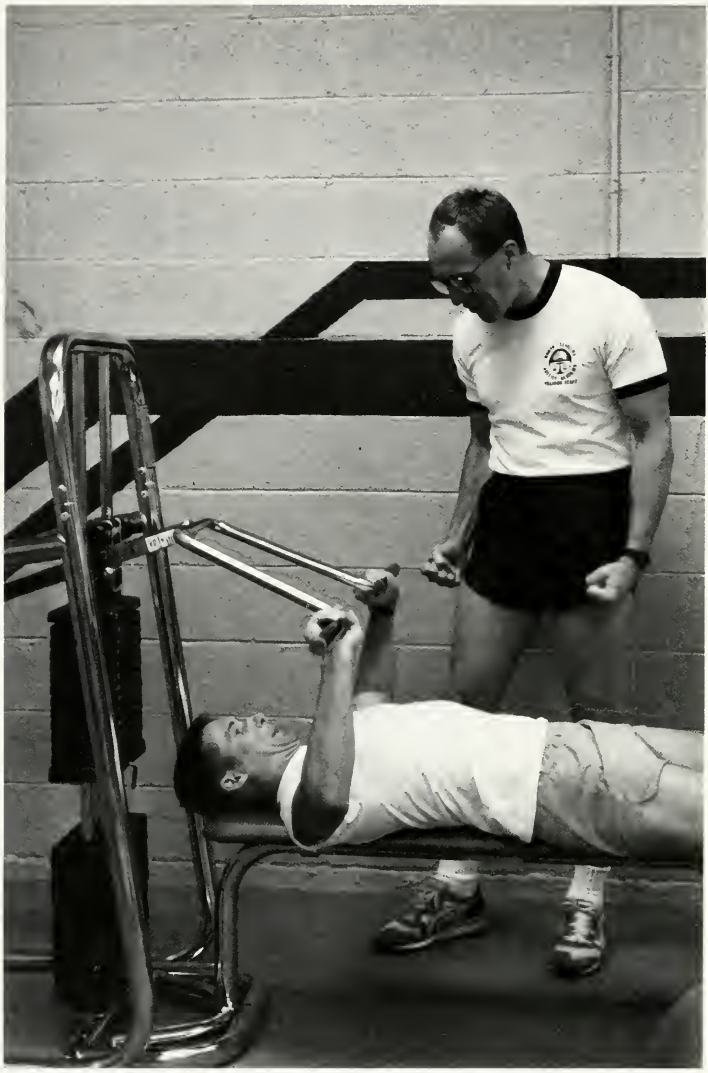
Denny, former chair of the department of pediatrics, is director of the medical school's Program on Health Promotion and Disease Prevention. Its purpose, he says, "is not to replace the curative emphasis with a preventive emphasis, but to pay greater attention to the role that prevention might play in reducing the burdens of illness and injury."

The mission of the program is to:

- Foster prevention-oriented research,
- Develop demonstration programs to provide community services and function as sites for teaching and research, and
- Introduce principles of health promotion and disease prevention into the medical curriculum at all levels.

The medical school's program is a key part of a far-reaching University initiative aimed at improving and safeguarding the health of

Dr. William Heizer shows Cassandra Sloop, a member of a Carolina Fitness Center exercise class, how to use a rowing machine.



Earl Hardy, an instructor at the North Carolina Justice Academy in Salemburg, encourages rookie officer Scott Cavin to give it all he's got during a physical fitness training session.

people, particularly in North Carolina. In 1985, the five schools in the Division of Health Affairs joined to form the UNC Center for Health Promotion and Disease Prevention.

"This Center represents an uncommon relationship," Denny says. "After a lot of skepticism about how well the five schools could work together, we have developed a marvelous level of maturity and cooperation."

The Center has chosen initially to focus its collaborative efforts on four major categories of health problems: cardiovascular disease, cancer, injuries and low birth weight.

These four areas were selected because they represent especially serious health problems in North Carolina. "These are also areas in which people on this campus have already demonstrated special expertise," says Dr. Dale Williams, director of the Center for Health Promotion and Disease Prevention.

To coordinate efforts in each of the four areas, the Center established task forces with representatives from the health affairs schools, from other schools and departments on campus and from appropriate state agencies. The School of Medicine is well represented in all of these collaborative efforts, and several members of the medical faculty serve in leadership roles.

Dr. Thomas Griggs in the department of medicine co-chairs the task force on cardiovascular disease and serves as medical director of one of its projects, the Public Safety Personnel Program. Developed in cooperation with the North Carolina Justice Academy, the program aims to improve the cardiovascular fitness of state law enforcement officers.

New recruits who go through the Academy's Basic Law Enforcement Training Program have their cholesterol levels monitored and receive instruction in physical fitness including diet, exercise and stress reduction.

"Our goal," says Griggs, "is to develop a standardized program which can be incorporated into the training of all law officers in the state." He says the program also has a strong research component. "We'll be following these people to see if what we're doing has a long-term effect on the incidence of cardiovascular disease."

The task force on cancer is co-chaired by two department of medicine faculty members: Dr. Joseph Pagano, director of the Lineberger Cancer Research Center, and Dr. Suzanne Fletcher.

Fletcher says the task force is particularly interested in fostering cancer prevention efforts in clinical practice settings. Many are already under way, including several based in Area Health Education Centers.

In one such project, medicine and pediatrics residents in several of the state's AHECs are taught techniques for counseling their patients to stop smoking. "By following the residents and their patients, we'll be able to see what works and what doesn't work," Fletcher says.

Along with faculty in the schools of nursing and public health, Fletcher is developing a training program to make doctors and nurses more proficient at examining patients for breast lumps.

Fletcher says she is beginning to detect a change in physicians' attitudes toward disease prevention and health promotion, especially among residents. "It's harder for clinicians to get excited about prevention, because you don't have the immediate gratification of seeing the patient get better. But as we begin to see that various preventive measures really are effective, we are incorporating them into our practices."

Dr. Alan Cross, social and administrative medicine and pediatrics, is associate director of the medical school's health promotion and disease prevention program. He also chairs

the task force on low birth weight infants. Among the many projects the task force has initiated is the Helping Mothers Program.

Initiated this summer in Lee and Chatham counties, the program pairs volunteer non-professionals with low-income pregnant women who are considered at risk for having low birth weight babies.

"Various studies have shown that a woman's emotional state and her social support system are both factors in the birth weight of her child," Cross says.

Volunteers in the Helping Mothers Program are trained to give advice and support, not to take over the pregnant woman's life or solve all her problems. "The idea is to give these women someone to talk to, someone who can help them help themselves," Cross says.

"We'll do our best to evaluate what about the program works and what doesn't work and whether this idea of community support is really an effective way of dealing with the problem of low birth weight."

Several School of Medicine faculty members are actively involved in research and service projects related to injury prevention.

Dr. Fred Hansen, surgery, a member of the injury prevention task force, notes that one of the group's earliest accomplishments was a successful grant application to the Centers for Disease Control to establish a major Injury Prevention Research Center at UNC.

The concept of disease prevention is gradually being incorporated into the medical school curriculum. Faculty members in several departments have made it part of their teaching.

One of these is Dr. David Siscovick, medicine, who holds a Preventive Cardiology Academic Award from the National Heart, Lung and Blood Institute. He has integrated sessions on various aspects of preventive cardiology—including cholesterol monitoring, hypertension detection and smoking cessation—into the first three years of the medical curriculum.

Dr. Stuart Bondurant, dean of the School of Medicine, says the school's responsibility to teach prevention goes along with its commitment to do research and develop more effective techniques of prevention.

"People generally understand that you're better off if you can prevent a heart attack than if you treat it after it's already occurred," Bondurant says. "We need to be teaching that every encounter with a patient is an opportunity to offer very powerful information and guidance on avoiding the burdens of disease.

"Pediatricians have been doing this for a long time," Bondurant notes, citing Dr. Denny's background in pediatrics as one of many factors that made him "the perfect choice" to lead the medical school's health promotion and disease prevention program. "Now, other specialties are seeing both the need and the opportunities in this area."

Bondurant cautions, however, that "even as we are teaching the value of prevention, we must convey an understanding of the difficulty of doing it successfully. At this point, there is no perfect wisdom on approaches or techniques."

The UNC Center for Health Promotion and Disease Prevention is governed by a policy board that includes the deans of the five health affairs schools. Bondurant is the current chairman.

He says it is difficult to overestimate the Center's significance and potential, given the fact that "five first-rate schools devoted to health, each with experience in health promotion and disease prevention, have come together to develop broad programs of research, teaching and the application of principles.

"There are very few places in the world where this phenomenon could have taken place."

Dick Broom is a writer and public relations consultant who lives in Chapel Hill.

Weight Control Program Seeks Lasting Results

Oh, no! Not another weight loss program. Aren't there too many of those, already?

Well, the very fact that the marketplace is glutted with all sorts of fad diets and get-thin-quick schemes proves that no one has found the perfect solution to obesity.

The Carolina Fitness Center doesn't claim to have all the answers, either, but it's trying to ask the right questions.

The Fitness Center was developed earlier this year in cooperation with the UNC Center for Health Promotion and Disease Prevention (through the Division of Digestive Diseases and Nutrition). While its most obvious, immediate purpose is to help overweight people shed pounds and shape up, the program has an underlying mission that is perhaps even more important—to evaluate various diet and fitness strategies and to develop more effective methods of long-term weight control.

The medical directors of the Carolina Fitness Center are two members of the department of medicine faculty, Drs. William Heizer and David Sheps.

"We have tried to combine all the components that most specialists agree are optimal," Heizer says. "These include behavior modification, moderate exercise and sensible eating habits."

One thing the program doesn't promise is quick weight loss. "Our goal," says Heizer, "is for people to lose one or two pounds a week; any more than that indicates they are depriving themselves too much and it probably won't last.

"We're looking at three to five years down the road and trying to find out what combination of things is most likely to lead to healthy, long-term weight control."

Everyone who signs up for the program is given a treadmill test and a lung function test. Their blood cholesterol and body fat are measured. They are given a psychological evaluation and a nutritional analysis. Based on these assessments, participants in the program receive individualized diet and exercise prescriptions.

Only then do they begin the 12-week program. There is one hour of supervised exercise three times a week. Participants keep records of their activities and what they eat, and these are reviewed in weekly sessions with psychologists and nutritionists.

Dr. Eric Jensen and other faculty in the department of psychiatry conduct the behavior modification component of the program, along with a nutritionist from the School of Public Health. Faculty and staff in the departments of psychology and physical education and North Carolina Memorial Hospital also are involved.

"In addition to providing a service, we're here to learn how to do it better and to teach others how to do it," Heizer says. "That's really the purpose of university programs."

In many respects, the Carolina Fitness Center is a model for other health promotion and disease prevention programs.

According to Dr. Floyd Denny, director of the medical school's Program on Health Promotion and Disease Prevention, Carolina Fitness is helping to fill a potentially dangerous void.

"The public has latched on to all kinds of exercise programs and fad diets in their thirst for self-help in the health arena," Denny says. "We're going to be in a lot of trouble unless academicians and the health care establishment come forward to put it on a scientific foundation." —*D.B.*

Trauma Registry Gives Insights Into Society's "Neglected Disease"

A new trauma registry system has been created at UNC-CH to help some North Carolina hospitals identify more precisely the number, type and extent of injuries in the state.

The National Academy of Sciences has called trauma the "neglected disease of modern society, a health problem second only to the ravages of ancient plagues or World Wars."

Trauma, or injury, is the leading cause of death for Americans under 44 years of age, and the fourth largest killer for all Americans. In 1983 alone, more than 143,000 people in the United States died of injury.

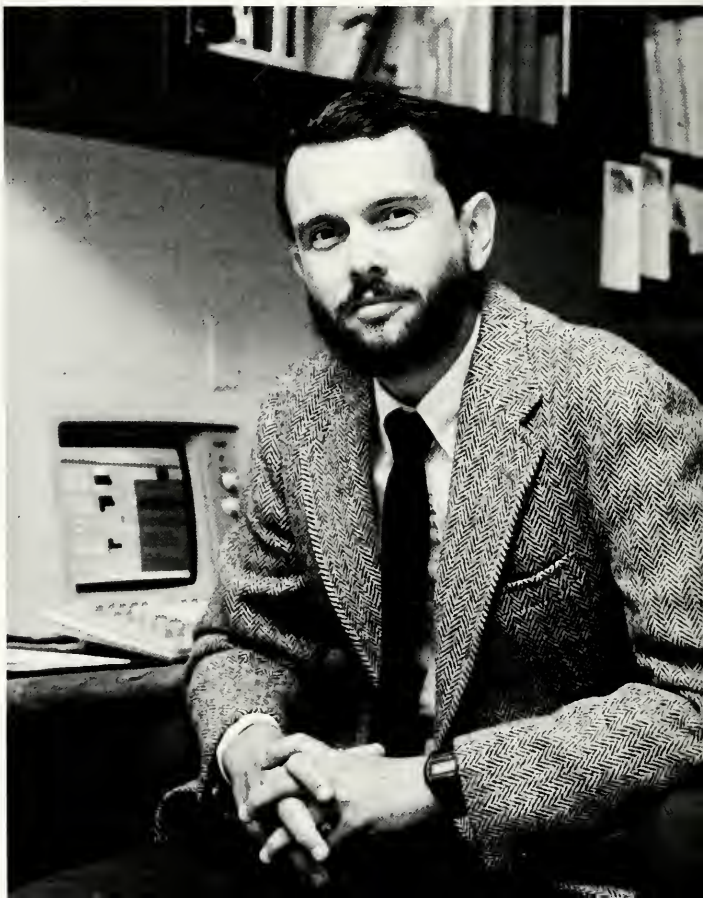
But according to experts in the field, research into trauma is scant and any organized body of knowledge about trauma is small compared to other areas, such as cancer or heart disease.

"Even though we know that trauma is a serious problem, we don't have much information on how to attack it," says Dr. Robert Rutledge. "That's why this new trauma registry system is important."

Rutledge, a general surgeon at North Carolina Memorial Hospital and a faculty member in the Department of Surgery at UNC's medical school, is data base director of the program set up to create a trauma registry in North Carolina.

"This is a first step in finding out more about trauma. We're going to find out what happens to injured people in North Carolina," says Rutledge.

Trauma includes intentional or unintentional injury to an individual. From a medical standpoint, it is labeled an injury if it is severe



enough for an individual to seek medical attention or to be unable to perform usual activity for a day or more. Categories include injury as a result of motor vehicle accidents, falls, burns, near drownings, gunshot wounds, etc.

Motor vehicle deaths account for most deaths due to injury, reports Dr. George Sheldon, chairman of the Department of Surgery at the UNC-CH medical school. "This year, about 50,000 Americans will die in car accidents," Sheldon says. "About 15,000 people will die as result of violent crime, most of those from gunshot wounds." Smaller trauma categories include burns and accidental falls.

In North Carolina, an estimated 7,146 people are severely injured each year, according to a recent report issued by UNC's medical school and the State Office of Emergency Medical Services.

The trauma registry in North Carolina is one of the first of its kind in the nation. Although Illinois was the first state to establish a trauma registry in 1970, only about six states currently have a system similar to the one here.

Rutledge developed the software program that is used to collect and analyze data on injuries in the state. Six hospitals in North Carolina—those designated as major trauma centers—are participating in the program. Five more hospitals will begin to use the registry during the second year, Rutledge says.

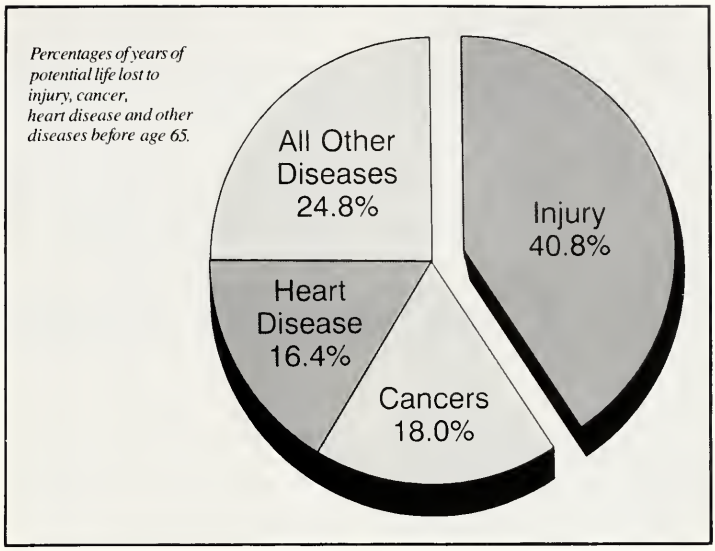
Hospitals included in the program this year are: North Carolina Memorial Hospital, Duke University Hospital, North Carolina Baptist Hospital, Pitt County Memorial, Charlotte Memorial Hospital and Moses H. Cone Memorial Hospital. The Office of Emergency Medical Services also is tied into the system, with its own microcomputer.

"We just recently installed the microcomputers at the hospitals," says Rutledge. "We also trained some of their staff members on how to use the program."

Data on patients suffering from injury has been collected and entered into microcomputers at each of the participating hospitals since June. "We're collecting basic information such as age and sex of the patient, where the injury occurred, the type of injury and its severity," says Rutledge. "We also input information later on length of stay in the hospital, whether the patient has any disability as a result of the trauma, what its severity is, and the cost of the hospital stay."

Hospitals collecting the data send their information via diskettes to UNC four times a year to be entered into the mainframe computer for analysis. But the advantage to the new software program, says Rutledge, is that individual hospitals can do some data analysis on their own as well.

Dr. Robert Rutledge is database director of the School of Medicine's trauma registry program. He says the registry "is a first step in finding out more about trauma."



Percentages of years of potential life lost to injury, cancer, heart disease and other diseases before age 65.

"This program allows people to enter data very easily. We've made it simple, so people won't get frustrated using it," says Rutledge. The program also provides users with graphs of their information, which are automatically recalculated when additional data are put into the system.

Rutledge says that individual hospitals can analyze where their trauma patients are coming from, who makes up their largest category of trauma patients—young, old, male, female—and the kinds of treatment needed by the patients.

"We're interested in questions raised at the state level, too," says Rutledge. "Are helicopters helping trauma patients? Are they worth the cost? We think they are, based on data collected during the Vietnam war on transporting patients to medical sites. We know more people survived because they received treatment faster, which is very important when someone is in shock. But we need to document this here."

Hospitals may also be able to specify more clearly the kinds of services and staffing patterns that are needed to deal with trauma patients, once data are available, says Rutledge.

"Analysis of the data may reveal that you (the hospital) need to have another X-ray, or a general surgeon in the hospital at all times," he says. "It really could give you information on just who you are able to care for. We may be able to tell just where in the state we need to have hospitals equipped to serve as major trauma centers. That's important to know, because hospitals have to make a large financial commitment if they're going to provide state-of-the-art trauma care."

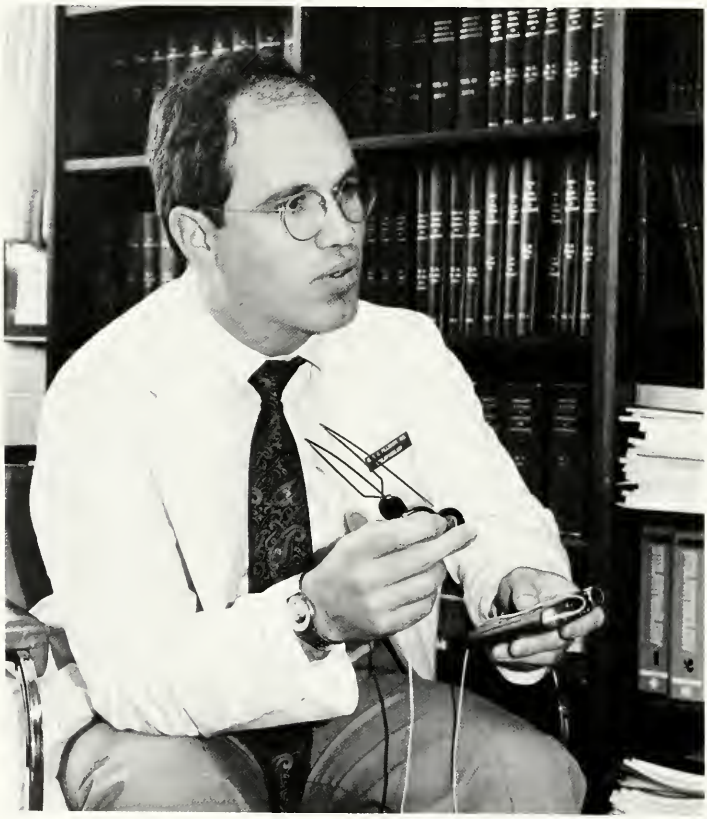
Sheldon says one of the biggest improvements in recent years in dealing with trauma patients is having ambulance drivers trained to provide emergency medicine. "The education of people involved in transporting trauma patients has greatly improved," says Sheldon. "Now, people who drive ambulances must have considerable training, and this has saved a lot of lives." Another area of improvement, Sheldon says, is the development of categories of hospitals based on personnel and standards.

On a national level, seatbelt legislation and handgun legislation are two other areas that Sheldon says he foresees some action. "We'll (the medical community) be able to make recommendations about some of these issues when we have hard data to back up what we think to be true," he says.

Sheldon says he is hopeful that increased interest in trauma will lead to more funding for research and more in-depth training for medical students. "This has just really come together as a medical discipline within the past 25 years," Sheldon says. "Right now, research dollars for trauma are miniscule, compared to research in other areas, such as cancer and heart disease. Less than three cents of each research dollar is spent on trauma-related research. But this may change. The trauma registry is a step in the right direction."

—*D.S.*

Noise is Golden For Patients With Cochlear Implant



Doris Burkie awakens to the insistent buzz of her alarm clock. She turns to shut it off, then flips on the radio for background music while she dresses.

An hour later, Burkie walks briskly down a busy street in Wilmington. A car horn blares at another car filled with teenagers and a squalling radio turned full blast to the local Top 40 station.

Sound like something you would want to tune out? Not to Burkie. Now, thanks to a revolutionary cochlear implant device and a physician at the UNC-CH School of Medicine, she is able to hear again after being totally deaf for 10 years. You might say that for Burkie, noise—any noise—is golden.

The implant surgery is so new that few people in the United States have undergone the operation, and only 20 surgeons nationwide are authorized to perform the implant surgery. One of these is Dr. Harold C. Pillsbury, chief of the division of otolaryngology at UNC.

Pillsbury says the cochlear implant opens up "a whole new world for people who were totally deaf before.

"When deaf people have to communicate with hearing people, it's very difficult," Pillsbury says. "How many hearing people know how to sign, for example?" As a consequence, Pillsbury says, "deaf people are really left with just a small group of individuals,

Dr. Harold C. Pillsbury, chief of the division of otolaryngology in the UNC School of Medicine, explains how the cochlear implant works. Pillsbury has been performing cochlear implant surgery since 1984.

usually other deaf people, who they can communicate well with. For deaf people who fit the criteria, this operation offers them the chance to join the hearing world."

Currently, only people who are totally deaf are eligible for the implant. Also, the hearing loss must be related to the cochlea; people whose deafness comes from brain stem damage, for example, are not eligible for the surgery. Estimates are that as many as 40,000 people in the U.S. could benefit from cochlear implant surgery.

Although approved for use only three years ago by the FDA, the single-channel cochlear device was developed about 20 years ago, Pillsbury says. And now, a multi-channel implant, made possible by the development of the microchip, offers even more range of sound. Pillsbury is one of only a few surgeons who have performed surgery using the multi-channel device.

Both systems work by supplying electrical signals to nerve fibers in the inner ear. Sound waves are picked up with a microphone worn next to the ear. A processor small enough to fit into a pocket modifies the signal.

An internal receiver about the size of a quarter is implanted behind the patient's ear, just under the skin, says Pillsbury. The receiver is connected to two electrodes placed next to the cochlea, which stimulates the hearing nerve when electrical signals from the receiver are sent to them. The result: Sound.

But what does sound "sound" like to someone who has the implant? "Some of my patients have said voices sound like Donald Duck," Pillsbury says. "It depends to a certain extent on the individual. Voices don't sound just like they would to a person with normal hearing, but the sound has improved already with the addition of the multi-channel system." Pillsbury says many people who use this system should be able to distinguish voice inflections.

A good attitude on the part of the patient is vital to the success of the implant surgery, Pillsbury says. After the implant surgery, intensive work with speech pathologists and audiologists helps insure that the patient gets the most from the implant by using it properly, Pillsbury adds.

Although the sound that people hear is not perfect, Pillsbury says people who have not heard anything for years are thrilled with the implant system.

"I've done the surgical procedure on construction workers and on professors. . . not a single person has taken the processor off. They have all told me they think it's worth it," Pillsbury says.

The devices have worked so well with adults that the FDA last winter approved the surgical implants for children 10-18 years of age. FDA approval for use of the device in youngsters 2-10 years of age is expected in the near future.

Although UNC's first cochlear implant surgery wasn't performed by Pillsbury until 1984, UNC is already seen as the Southeast's leader in this field. Clinical investigations into modifying the devices have been done at the UNC medical school, says Pillsbury. In addition, audiologists and other members of the treatment team are studying the impact of hearing on speech.

"We really couldn't afford not to get involved in this," Pillsbury says. "I know, from years of working in the field, that deaf people were seen as hopeless in terms of their condition, so we didn't really see them as patients. We didn't have anything to offer. Now we do."

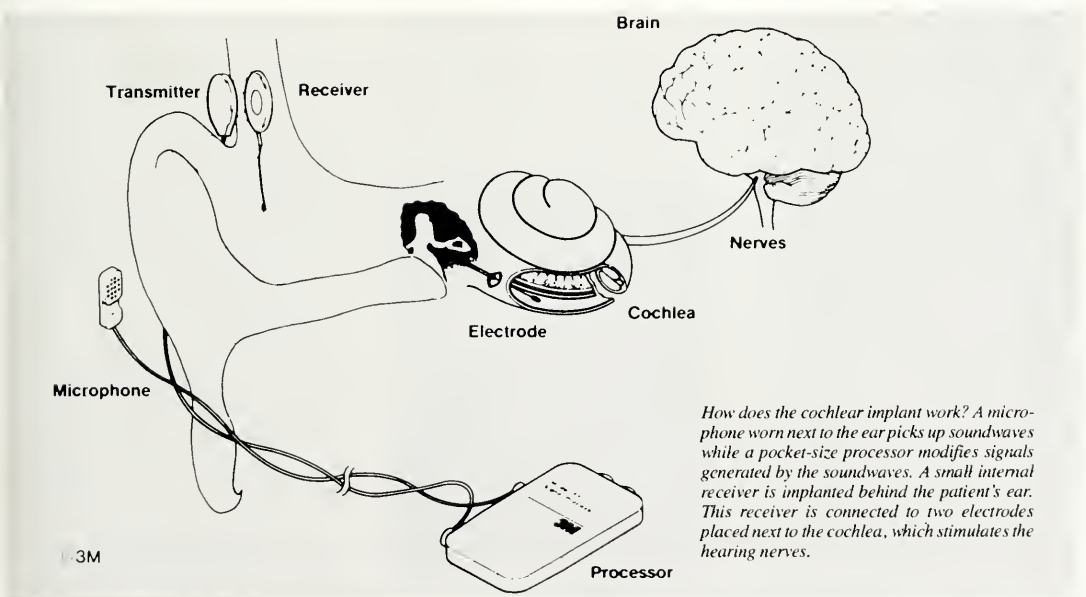
What about people who are deaf, but who don't fit the current criteria for the implant?

"What's exciting is that now we are working on doing extra-cochlear implants—that is, we won't have to go into the inner ear. Rather, a device will be placed right on the outside of the cochlea," Pillsbury says. "This may . . . help those people who are not totally deaf, but whose hearing cannot be helped by standard hearing aids."

Pillsbury says he expects that modifications will continue to improve the system now available. And for Doris Burkie and others who can now hear after years of silence, it is a gift like no other.

"When I see their faces after they hear for the first time in perhaps years, it's a great feeling," says Pillsbury. "It's as if they'd been through a tumultuous storm, then the sun comes out again. It's a great moment."

—D.S.



How does the cochlear implant work? A microphone worn next to the ear picks up soundwaves while a pocket-size processor modifies signals generated by the soundwaves. A small internal receiver is implanted behind the patient's ear. This receiver is connected to two electrodes placed next to the cochlea, which stimulates the hearing nerves.

Surgeon Receives First Fuller Physician Award

If it's true that, in most human endeavors, communication is a key to success, then George Johnson probably would have excelled in whatever line of work he chose. Fortunately for his patients, colleagues and students, he decided to be a doctor—a doctor whose trademark is a passion for straight, honest talk.

Earlier this fall, Johnson was selected by the North Carolina Memorial Hospital Board of Directors as the first recipient of the H. Fleming Fuller Award. Fuller, who died last year, was a Kinston obstetrician-gynecologist and long-time member of the hospital board. The annual award was established in his memory to honor members of the hospital's medical staff who demonstrate "the qualities embodied in Dr. Fuller's lifelong dedication to the highest standards of patient care, teaching and community service."

A special panel selects the award recipients from candidates nominated by physicians and employees of the hospital and the UNC School of Medicine.

Johnson, the first Fuller Award recipient, is Roscoe B. G. Cowper Distinguished Professor of Surgery at UNC. He is chief of vascular surgery at N. C. Memorial.

Johnson is a man who believes that effective communication is paramount in just about everything a physician does. Naturally, he places the highest value on communicating with patients and their families. Nothing fancy, mind you; just old fashioned talking and listening:

"You've got to talk to patients as equals and treat them with respect and honesty," Johnson says. "I've always felt that if you present the facts to patients clearly—translating medical terms to lay language—they can make their own decisions, and usually the right decisions. That's how Fleming (Fuller) was; he spent time with his patients and made sure they were well informed."

Johnson, who was born and raised in Wilmington, has found that a common heritage can provide the basis for rapport between doctor and patient. Many of his patients come from rural, eastern North Carolina.

George Johnson

"Having an understanding of the habitat and customs of people can be such a big asset in trying to develop a common bond. Swapping stories about southeastern North Carolina is often a good way for me to make patients feel that I am on their side, that I really understand and care about them."

This is especially true with older patients, for whom home and heritage are often so important. Because Johnson specializes in treating disorders of the circulatory system, many of his patients are elderly. Making sure they understand their diagnosis, prognosis and treatment often means talking not only with the patient, but with his or her family.

"You can't treat patients in isolation. You've got to make sure their family knows what's going on."

Johnson also believes strongly that a patient's hometown doctor needs to know what's going on. Keeping the referring physician informed is more than just common courtesy, he says. It's "good, ethical practice."

"The personal physicians need to know what we're doing up here in Chapel Hill, because they have to take care of the patient when he goes back home. It's unfair and embarrassing to be left in the dark."

Johnson takes pride in keeping referring physicians fully informed. It is a point of honor. In North Carolina, he is a symbol and

a champion of doctor-to-doctor communication in the cause of good patient care.

As a member of the medical staff at N.C. Memorial, Johnson not only treats patients, but teaches and supervises resident physicians. He brings the same degree of energy and dedication to both jobs, but not the same gentleness and patience.

"I can be brusque, demanding and mean as a snake," he readily admits. "But underneath the growl, I'm basically a nice guy."

He sets high standards and makes sure the residents he trains measure up. It's for their own good, he says, but more important, it's for the good of all their patients—both present and future.

"These young doctors are in a position of major responsibility, and it's up to me to make sure they do things the right way. So I teach with a very firm hand. I think they respect this, but I can't say they enjoy it."

Dr. Frank Yang, chief resident in vascular surgery this year, confirms that Johnson is, indeed, "very strict and demanding." But Yang adds "He takes the time to teach, to answer questions and to make sure you understand. The best thing about him is that he's always there, whenever you need him. If we have a question or a problem, he's available. He wants to be called and kept informed."

Again, the key is communication.

"That," says Johnson, "is the key word in teaching senior residents: communication between them and me, between us and the patient and family and between us and the referring doctor."

Dr. Stanley Mandel, also a professor of vascular surgery at UNC, says his colleague is highly regarded for his commitment to education.

"Residents respect him greatly. They know that when he's in the hospital, he's all business, and he's demanding. And they respond with a high standard of performance."

Mandel also praises Johnson for "contributing significantly to many advances in vascular surgery."

George Johnson's selection as the first Fuller Award recipient seems especially fitting, since Dr. Fuller and Dr. Johnson's father were close friends and colleagues. In the 1930s and '40s, they were among a relatively few ob-gyn specialists in North Carolina. "To hear Daddy and Fleming tell it, they would go to Swansboro and have medical meetings in a little cabin."

Later, the younger Dr. Johnson became a close friend and admirer of Fleming Fuller. "He did a fantastic job for ob-gyn patients in the eastern part of the state."

Because of their personal and professional relationship, Johnson says, "I am especially honored and touched by this award."

N.C. Memorial Hospital Celebrates 35th Anniversary

Since opening 35 years ago, North Carolina Memorial Hospital has cared for well over 600,000 patients. The vast majority have been North Carolinians from every county in the state.

But patients also come from throughout the Southeast and the nation and even from other parts of the world, because the hospital is widely known as a leader in a number of specialty areas. These include burns and trauma, blood diseases, cancer, arthritis, growth and development disorders, cystic fibrosis and maternal and infant care.

A medical center of international stature, N.C. Memorial also takes pride in serving as the hometown hospital for residents of Chapel Hill, Carrboro and surrounding communities.

On opening day in 1952, N.C. Memorial had 250 inpatient beds and offered a modest program of outpatient care. This year, the hospital's 665 beds will accommodate more than 20,000 patient admissions. The hospital now operates more than 150 separate clinics offering everything from routine check-ups and well baby care to complex diagnostic procedures and outpatient surgery. The clinics and emergency room account for about 350,000 outpatient visits annually.

N.C. Memorial was established by the state legislature as a "living memorial" to North Carolina's war dead. It was built to help meet the state's then-desperate need for advanced medical services and to serve an important educational function. From the start, it has been the primary teaching hospital for the UNC School of Medicine which, in the late 1940s, expanded to a full four-year program.

There were just 50 interns and residents at N.C. Memorial in 1952. Since then, the hospital has provided training for more than 3,500 physicians, as well as for students in nursing, pharmacy, dentistry and the allied health professions.

For the first 20 years, the hospital was, administratively, a branch of the School of Medicine. In 1971, the legislature created an independent board of directors to govern the hospital, which remains a part of the statewide University of North Carolina system.

Although many things have changed, one thing that has remained constant through 35 years is a commitment to the four-fold mission of patient care, education, research and community service. The hospital is known for quality and innovation in all four areas. For example, N. C. Memorial created the nation's first intensive care unit and, through the years, has provided leadership in clinical research through development of new procedures and technologies.

N.C. Memorial works constantly to translate the latest technological advances into improvements in patient care. The list of new services added in just the past two years is impressive: Magnetic Resonance Imaging, which has revolutionized the diagnosis of various cancers and other internal disorders; Shock Wave Lithotripsy, which eliminates kidney stones without surgery; state-of-the-art intensive care units; Carolina Air Care, the hospital's air ambulance program; and the Carolina Consultation Center, which gives physicians across the state immediate access to the specialists at N.C. Memorial.

In the coming year, about 2,000 new lives will begin at N. C. Memorial. There will be more than 10,000 operations, 150,000 radiology procedures and nearly 1.5 million laboratory tests.

In describing the size and scope of the hospital's operation, such numbers are impressive. But numbers can't tell the whole story.

Behind every number is a person, a human being who is sick, injured or mentally disturbed—or who is getting ready to have a baby. Treating people as individuals, with genuine compassion and understanding, is essential to true excellence in the delivery of health care services.

Faculty Notes

Possible Link Between Breast Cancer, Genetic Disorder

A gene linked to a rare nervous system disorder may also be responsible for as much as 30 percent of all breast cancer in women under the age of 65, according to a group of researchers under the direction of Dr. Michael Swift, professor of medicine at the UNC-CH School of Medicine.

The gene identified by Swift's group is called the A-T gene because of its link to the nervous system malady known as Ataxia-Telangiaectasia. However, Swift feels the gene's greatest threat may lie in its ability to cause cancer.

"Our studies show that women who carry the A-T gene face about seven times the risk of breast cancer, when compared to non-carriers," Swift said.

This and other findings from the UNC study appeared in the *New England Journal of Medicine.*

Doctors Explore How Second-Hand Smoke Affects Children

UNC researchers under the direction of Dr. Fred Henderson, associate professor of pediatrics at the School of Medicine, have discovered a way to measure the effects of second-hand tobacco smoke on children.

In a study of children ages three months to five years, Henderson and his colleagues found that a urine test for the substance cotinine, a tobacco smoke by-product, can be used to monitor children's exposure to passive smoking.

The study results were presented in Berlin during the Fourth International Conference on Indoor Air Quality and Climate.

"The test appears to be accurate in children 85 percent of the time and should only be used to supplement information gained from parents' questionnaires or other measures," said Henderson.

He noted that the test represents "an inexpensive but reasonably accurate test for passive-smoke exposure that could be used with a large population of children. The cotinine urine test gives results similar to placing an air monitor in a home to measure tobacco smoke."

Henderson said the test, which allows researchers to confirm parents' own reports of smoking, could be used in current public health studies in cities across the country to determine how tobacco smoke and other pollutants affect children's respiratory health.

Reeb Appointed Chair of Family Medicine

Dr. Kenneth G. Reeb has been named chair of the Department of Family Medicine in the UNC-CH School of Medicine.

"Dr. Reeb is a leader in the development of programs of teaching and clinical practice in family medicine. He is an outstanding physician and a dedicated, talented teacher," said Dr. Stuart Bondurant, dean of the School of Medicine.

He added, "Under his leadership, the Department of Family Medicine—in association with other departments in the School of Medicine and with the statewide Area Health Education Centers Program—will be substantially strengthened."

Kenneth Reeb

Reeb is board certified in family practice and pediatrics. Prior to joining the faculty at UNC, he served as vice-chairman of family medicine at the University Hospitals of Cleveland and professor of family medicine at Case Western Reserve University School of Medicine.

A native of Wheeling, IL, Reeb received his undergraduate degree from the University of Wisconsin and his M.D. degree from the University of Wisconsin Medical School. He has served on the Board of Trustees of the Cleveland Neighborhood Health Services and on the Board of Directors of the Ambulatory Pediatric Association.

Reeb is the author of numerous articles on low birthweight and complicated labor among black women in urban areas. His recent research on predicting prematurity was sponsored by the Robert Wood Johnson Foundation's Medical Practice Research and Development Program and the March of Dimes. His research findings were published in the *Journal of the American Dietetic Association* and the *Social Science and Medicine Journal.*

AIDS Study Funded

Dr. Richard Tidwell, associate professor of pathology in the UNC School of Medicine, and Drs. Dieter Geratz and David Walker, UNC professors of pathology, were selected by the National Institute of Allergy and Infectious Diseases as one of three groups nationwide to receive grants for developing new drugs to treat pneumocystis carinii pneumonia.

Tidwell and his colleagues were chosen for the five-year, $910,457 award because of their work with antiviral agents related to the drug pentamidine, the preferred treatment for pneumonia in AIDS patients. Unfortunately, pentamidine produces toxic side effects and is often ineffective, Tidwell said.

"Our main goal is to develop a drug that is either more potent or less toxic—or both—than pentamidine, and make it available to patients as quickly as possible," said Tidwell.

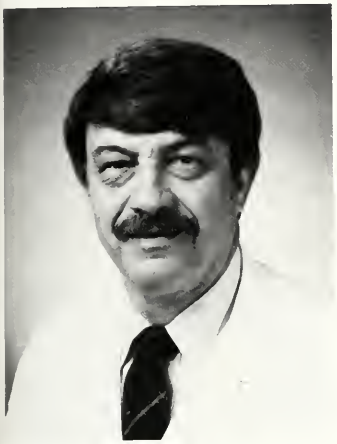
Briggaman New Dermatology Chair

Dr. Robert A. Briggaman has been appointed chairman of the Department of Dermatology in the School of Medicine.

In announcing Briggaman's appointment, Dr. Stuart Bondurant, dean of the UNC-CH School of Medicine, said "Dr. Briggaman is a distinguished teacher, clinician and investigator whose important contributions have

helped strengthen our Department of Dermatology. We look forward to his leadership."

Briggaman's research in several areas, most notably his innovative work in epidermal-dermal interactions, has won him international recognition. His contributions to dermatologic research earned him the American Academy of Dermatology's prestigious Professor of the Year Award in 1986. Baylor College of Medicine in 1983 presented him the Taub International Memorial Award for Psoriasis Research.



Robert Briggaman

Co-author of nearly a hundred scholarly papers, Briggaman is board certified in dermatopathology. He is a member of numerous professional societies, including the American Society of Dermatology, the Society for Investigative Dermatology, the American Academy of Science, the American Society of Dermapathology, and the American Dermatologic Association.

Briggaman is a native of Hartford, Connecticut, and received his B.S. degree from Trinity College. An alumnus of the New York University School of Medicine, he completed his residency training in dermatology at North Carolina Memorial Hospital. He is a professor of dermatology and medicine who joined the faculty of the School of Medicine in 1967.

Tepper to Head Up Radiation Oncology

The Board of Governors of the University of North Carolina has approved the appointment of Dr. Joel E. Tepper as the first chair of the Department of Radiation Oncology in the UNC-CH School of Medicine.

"Dr. Tepper brings the wisdom from years of experience in clinical practice and teaching at Harvard Medical School and Massachusetts General Hospital to guide this new and important program in the School of Medicine," said Dr. Stuart Bondurant, dean of the School of Medicine.

Bondurant said technological advances in radiology and development of the use of radiation and radioactive isotopes in the treatment of cancer led to establishment of UNC's radiation oncology department.

"Dr. Tepper's expertise will provide the department and the entire School of Medicine with an exciting new perspective on radiation oncology research and clinical practice," Bondurant noted.

Joel Tepper

Tepper, previously a professor of clinical radiation oncology at Harvard Medical School, is widely recognized as an innovator in intraoperative radiation oncology. The author of numerous publications about radiation and surgical techniques in the treatment of gastrointestinal cancer, he is an associate editor of *PDQ: The National Cancer Institute's Computerized Data Base.*

Tepper received his undergraduate degree from the Massachusetts Institute of Technology and his M.D. degree from Washington University School of Medicine.

Before joining the faculty at Harvard Medical School in 1981, he was chief of radiation therapy at Malcolm Grow Medical Center and a senior investigator of the radiation oncology branch at the National Institutes of Health.

Sudden Cardiac Death Focus of Research

Scientists at the UNC-CH School of Medicine have received a $3.5 million grant to study sudden cardiac death. Dr. Leonard S. Gettes, professor and chief of cardiology at the School of Medicine, is leading the effort, which received funding from the National Heart, Lung and Blood Institute for a five-year study titled "Mechanisms of Sudden Cardiac Death."

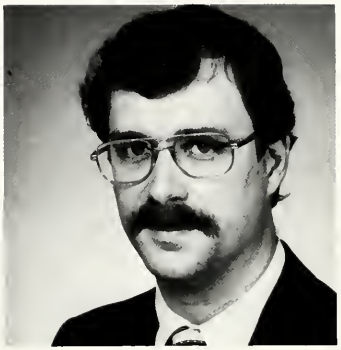
The techniques that Gettes and his colleagues use to study sudden cardiac death include observing and measuring the movement of electrically charged particles in and out of isolated heart muscle fibers.

Gettes said the most important technique involves using ion selective electrodes developed at UNC to monitor changes in the heart's chemistry as they occur.

"Being able to observe these changes from beat to beat is providing us with important information about why electrical instabilities occur," said Gettes. "Understanding the causes can help us design new therapies aimed at preventing the abnormalities . . . which is our ultimate goal."

Others participating in the study are Drs. Gerhard W.D. Meissner, professor of biochemistry and physiology; Jack W. Buchanan Jr., research assistant professor of medicine; and Timothy A. Johnson, research associate in medicine. A member of the Research Institute at the University of Amsterdam is collaborating with the UNC team.

Jenny Ting



Robert Warren

Physicians Receive Jefferson-Pilot Awards

Two faculty members in the School of Medicine have received Jefferson-Pilot Fellowships in Academic Medicine. Dr. Jenny P. Ting, assistant professor of microbiology and immunology, and Dr. Robert W. Warren, assistant professor of pediatrics, will receive $12,000 over the next four years to support a variety of scholarly endeavors.

Ting, who is a member of the Lineberger Cancer Research Center's immunology program, received her B.S. degree from Southern Illinois University and her Ph.D. degree from Northwestern University.

Ting's research focuses on transplantation antigens, molecules that adhere to the surface of human cells and trigger the body's immune response to foreign organisms such as viruses or bacteria. Ting is using immunologic and recombinant DNA technologies to discover what causes changes in these antigen levels.

Warren is chief of the division of pediatric rheumatology and immunology in the department of pediatrics. He received his B.S. degree from Yale University and attended Washington University in St. Louis, where he received his M.D. and Ph.D. degrees.

Warren is investigating human antibodies called rheumatoid factors and the possible link between these antibodies and systemic lupus, a connective tissue disease.

NFID Grants Awarded

Two School of Medicine physicians have received grants to conduct research in infectious diseases under the sponsorship of the National Foundation for Infectious Diseases (NFID).

Steven N. Lichtman and J. Marc Rhoads, assistant professors of pediatrics, are among seven recipients nationwide of 1987 NFID Young Investigator Matching Grants funded in conjunction with the Burroughs Wellcome Fund.

Lichtman, who joined the School of Medicine pediatrics department in 1985, received his M.D. degree from the University of Toronto, Canada. Lichtman's specialty is childhood gastroenteric diseases. He will study bacterial cell wall fragments and the secretory response of certain antibodies in small bowel bacterial growth.

Rhoads came to the department of pediatrics in 1986. He received his B.S. and M.D. degrees at The Johns Hopkins University. Rhoads will study what role the amino acid glutamine plays in promoting fluid, electrolyte absorption in viral diarrhea, which leads to five million infant deaths yearly.

Wilson President-Elect of Orthopaedic Group

Dr. Frank C. Wilson, chief of the division of orthopaedics and professor of orthopaedics in the School of Medicine, has been named president-elect of the American Board of Orthopaedic Surgery.

Wilson is immediate past president of the American Orthopaedic Association, which recently celebrated its 100th anniversary. Wilson presided over the Association's Centennial celebration, held earlier this year in Washington, DC.

Wilson has been a director of the American Board of Orthopaedic Surgery since 1982.

Established in 1934, the Board is a private, non-profit group that each year certifies close to 500 surgeons as diplomates of the Board. The Board also establishes standards for graduate and continuing medical education in this field.

Wilson will assume his duties as president of the Board in July 1988.

Frank Wilson

Medical Students Get Advice, Encouragement at Whitehead Lecture

Dr. William Herbert, associate professor of obstetrics and gynecology at the UNC-CH School of Medicine, delivered the 1987 Whitehead Lecture to an audience of more than 200 faculty and first-year medical students. The Whitehead lecture and presentation of faculty awards marked the first day of classes at the medical school.

Herbert's presentation, called "Contemporary Medical Education" (Or, "Now That I am In It, How Do I Get Through It?"), was a pep talk on how to survive and make the most of medical school.

Medical students, Herbert observed, share the same fears, uncertainties and anxieties—emotions that are not unusual.

"These feelings are natural," he said. "Laugh with them, roll with them."

Herbert said students should compete only with themselves and should learn to develop positive thinking. "Remember, you're smarter than you think you are. We don't take losers here (at UNC). Be easy on yourself—you're not perfect," he said.

Herbert also noted the increasing complexity of problems facing medical students.

Organized medicine, an increasing number of malpractice suits, and the implications of high-tech medicine are problems unique to today's medical students.

But these new problems are offset by the new opportunities created as modern medicine continues to advance, he said.

Herbert concluded, "You have begun an exciting and challenging career. Go with it!"

Following Herbert's talk, 10 faculty teaching awards were presented. These presentations are summarized below.

Gerry S. Oxford, Ph.D., *Associate Professor of Physiology, recipient of Freshman Basic Science Teaching Award.*

This award was established in 1985 by the Freshman Class to recognize a faculty member from the medical basic sciences who has contributed in a particularly effective and devoted manner to the education of first year medical students.

Edward R. Perl, M.D., *Sarah Graham Kenan Professor of Physiology and Chair, recipient of Freshman Basic Science Course Award.*

This award was established in 1985 by the Freshman Class to recognize a course in the first year basic sciences that was effectively organized, skillfully taught and contributed the most to the education of first year medical students.

Frederic B. Askin, M.D., *Professor of Pathology, recipient of the Sophomore Basic Science Teaching Award.*

This award was established in 1965 by the Sophomore Class to recognize a faculty member from the medical basic sciences who has contributed in a particularly effective and devoted manner to the education of second year medical students.

H. Shelton Earp III, M.D., *Associate Professor of Medicine and Pharmacology, recipient of the Sophomore Basic Science Course Award.*

This award was established in 1985 by the Sophomore Class to recognize a course in the second year basic sciences that was effectively organized, skillfully taught and contributed the most to the education of second year medical students.

Frederic B. Askin, M.D., *Professor of Pathology, recipient of The Battle Distinguished Excellence in Teaching Award, Basic Sciences.*

This award was established in 1985 for excellence in teaching. Faculty are nominated by departments and students and the recipient is selected by freshman and sophomore medical students.

Harvey J. Hamrick, M.D., *Professor of Pediatrics, recipient of The Battle Distinguished Excellence in Teaching Award, Clinical Sciences.*

This award was established in 1985 for excellence in teaching. Faculty are nominated by departments and students and the recipient is selected by junior and senior medical students.

David A. Ontjes, M.D., *Eunice Bernhard Distinguished Professor of Medicine and Chair, recipient of The Best Clinical Clerkship.*

This award was established in 1985 by the Junior Class to recognize the clinical clerkship which contributed the most to the education of third year medical students.

Peter C. Freebeck, M.D., *Resident in Medicine, and* **Jonathan S. Serody, M.D.,** *Resident in Medicine, recipients of The Outstanding Intern Award.*

This award was established in 1963 by the Junior Class. The award is given to the intern who has been most helpful to the class.

James A. Bryan II, M.D., *Professor of Medicine and Social and Administrative Medicine, recipient of The Central Carolina Bank Excellence in Teaching Award.*

This award was established in 1973 for excellence in teaching. Faculty are nominated by departments and students and the recipient is selected by a vote of the student body.

H. Shelton Earp III, M.D., *Associate Professor of Medicine and Pharmacology, recipient of The Kaiser-Permanente Excellence in Teaching Award.*

This award was established in 1985 for excellence in teaching. Faculty are nominated by departments and students and the recipient is selected by a vote of the student body.

William N. Herbert, M.D., *Associate Professor of Obstetrics and Gynecology, 1987 Whitehead Lecturer.*

A certificate is given in recognition of distinguished contribution to the science and art of medicine and hereby designates the recipient an Honorary Member of the Whitehead Society on the occasion of the 1987 Richard H. Whitehead Lecture.

Class Notes

Manning-Berryhill Club

William S. Wall, M.D. '31, lives in Rocky Mount, where he is in his 52nd year of practicing medicine.

John Hamilton Miller, M.D. '42, is part of a three-person general practice in Barlow, FL.

David S. Citron, M.D. '43, has been elected to a two-year term on the National Board of Medical Examiners Executive Board. Citron resides in Matthews.

Ira A. Abrahamson, M.D. '46, is the author of the textbook *Know Your Eyes*, which was recently updated and translated into Spanish. The book was presented at the 1987 Pan American Congress of Ophthalmology, held in Santo Domingo, Dominican Republic.

T.E. Whitaker, M.D. '46, retired earlier this year from active practice. Whitaker lives in Greenville, SC, where he was a radiologist for more than 34 years and continues teaching office radiology to family practice residents.

50s

J. Grayson Hall, M.D. '57, lives in Dobson, where he has practiced family medicine since 1961.

60s

Charles Hicks, M.D. '62, lives in Wilmington, where he is part of a group pediatrics practice.

A. Everette James Jr., M.D. '63, participated in the Second International Congress on Ethics in Medicine, held in New York City in June. James, who holds a J.D. degree, teaches medical ethics at Vanderbilt Medical School and is co-director of the school's course in legal medicine. James recently published his second text, Medical Legal Issues for Radiologists.

70s

Stephen Billick, M.D. '73, who lives in New York City, reports that he has been "invested by the Lord Prior, Earl of Cathcart, into the Most Venerable Order of the Hospital of St. John of Jerusalem by appointment of Queen Elizabeth."

Melvin Clayton, M.D. '73, recently opened a solo practice in internal medicine in Ahoskie.

Ron Sprinkle, M.D. '73, has left California and his private practice of 11 years to become associate professor of family medicine at the University of South Carolina School of Medicine in Columbia.

Charles W. Smith Jr., M.D. '74, is dean of the School of Primary Medical Care of the University of Alabama in Huntsville, and has been elected to a five-year term as a director of the American Board of Family Practice.

Ernest F. Krug, M.D. '75, left the Army and accepted a position as medical director of the Center for Developmental Pediatrics, a part of the Greenville Hospital System in Greenville, SC.

James E. Peacock, M.D. '75, has been promoted to associate professor of medicine (infectious diseases division) at the Bowman Gray School of Medicine, Wake Forest University, Winston-Salem.

Alton Anderson, M.D. '77, was guest speaker at the second annual Adolescent Pregnancy Prevention Conference in Atlanta. Anderson practices family medicine in Weldon and is founder and executive director of the Center for Adolescent and Adult Development in Weldon.

Larry Eggert, M.D. '77, lives in Omaha, NE, where his wife is finishing her Ob/Gyn residency. Eggert writes that they are looking forward to returning to the western mountains sometime in the coming year.

J. Donald MacKae, M.D. '77, lives in Florida, where he retired four years ago.

Jan Roberts, M.D. '77, has opened a private practice in general internal medicine in Whiteville.

Judy Jordan, M.D. '79, lives in Sun City, AZ, where she practices medicine with a multispecialty group.

Darlyne Menscer, M.D. '79, lives in Charlotte. She has a part-time geriatric fellowship in Chapel Hill and will be making visits to UNC until January 1988.

Carla Hinds Ingold, M.D. '79, left Emory University last Spring and is now in private practice in Atlanta, where her specialty is immunology and allergies.

Paul Woodard, M.D. '79, lives in Raleigh and was recently appointed clinical assistant professor of anesthesiology at UNC. He is also vice-chairman of anesthesiology at Wake Medical Center.

Christian E. Paletta, M.D. '79, lives in St. Louis, MO, where he is an assistant professor of plastic and reconstructive surgery at the St. Louis University School of Medicine. He also is the director of the Cleft Palate Clinic at Cardinal Glennon Memorial Hospital.

Alumnus Named Head of AMA

James E. Davis, M.D. '42, was named president-elect of the American Medical Association at its annual meeting in Chicago in June; his term as president officially begins in June 1988.

As AMA president, Davis will play a key role in shaping public opinion on health issues. He will also be an important advisor to federal policy-makers.

In addition to his role as AMA president, Davis maintains a surgery practice in Durham and is active in various civic and professional organizations. He holds teaching appointments at Duke and UNC medical schools and is a member of the Governor's Commission on the Future of North Carolina. Before his election as AMA president, Davis was vice-speaker of the AMA House of Delegates.

Davis earned his A.B. degree from UNC-CH in 1940 and his Certificate of Medicine in 1942. He attended the University of Pennsylvania School of Medicine, where he received his M.D. degree in 1943. He did his internship and residency at the New York Hospital-Cornell University Medical Center.

Both the School of Medicine and the General Alumni Association of UNC-CH have honored him with Distinguished Service Awards.

—*C.A.*

80s

Kenneth Hollingsworth, M.D. '80, moved to Maryland with wife Beth and their daughter. He is stationed at the Naval Air Station, Patuyent River, and is serving his fourth tour of duty as a flight surgeon.

William Merwin, M.D. '81, has joined the Nalle Clinic in Charlotte.

Teresa A. Rummans, M.D. '81, was appointed to the psychiatry and psychology staff of the Mayo Clinic.

William Cuthrell, M.D. '81, began a maternal-fetal medicine fellowship in July.

Anne Marie Riether, M.D. '81, has joined the faculty at Emory University School of Medicine in Atlanta as an assistant professor of psychiatry and director of the Addictive Disorders Program. She and her husband live in Decatur.

Thomas R. Easterling, M.D. '81, is co-author of a paper titled "Measurement of Cardiac Output During Pregnancy: Validation of Doppler Technique and Clinical Observations in Preclampsia," which was published in the June 1987 issue of Obstetrics and Gynecology.

Beverly Jones, M.D. '82, has entered his third year as a medical officer for the Peace Corps in Zaire. His wife is Carol Payne (MPH, UNC). They have an infant son.

James L. Everette Jr., M.D. '83, has completed his pathology residency at Bowman Gray Medical School and accepted a position as staff pathologist at Kent General Hospital in Dover, DE.

Reece H. Clark, M.D. '82, was elected to fellowship in the American Academy of Pediatrics. Clark lives in San Antonio, TX.

Glenn Moradian, M.D. '83, has started a two-year fellowship in cardiovascular and interventional radiology at the University of Minnesota Hospital.

Audrey Urbano-Brown, M.D. '83, has completed a three-year commitment to the Indian Health Service. She was an emergency medicine specialist for a Navajo reservation in New Mexico.

Sarah Kratz, M.D. '84, is a research fellow in hematology/oncology at Duke. She has a 3-year-old son and lives in Raleigh.

Barbara Sheline, M.D. '84, received a $1,500 award from the American Academy of Family Physicians to help finance her graduate training in family practice. Sheline is a family practice resident at the University of New Mexico Family Practice Center, Albuquerque.

Jan Roberston, M.D. '84, moved from Anderson, SC, to Crownpoint, NM, where he will work on a Navajo reservation.

Paul Visor, M.D. '84, is practicing internal medicine at the Mountain Comprehensive Health Center of Whitesburg, KY.

W. Scott Haddon, M.D. '85, is in general surgery residency at New Britain General Hospital, New Britain, CT.

Michael Norins, M.D. '86, just completed his intern year in medicine at Moses Cone Hospital, Greensboro, where he was elected president of the House Staff and appointed to the Hospital Board Committee on Medical Education.

Steven Coulter, M.D. '87, is newly married and has started a family practice residency at Fairfax Hospital in Virginia.

Deaths

William Banks Dewar, M.D. '18
Edward M. Hedgpeth, M.D. '29
Jean Colvin McAlister, M.D. '31
Paul Reed Sparks, M.D. '32
Glenn Simmons Dickson, M.D. '33
Dennis Bryan Fox, M.D. '35
Walter Glenn Lewis, M.D. '36
Vernon Liles Andrews Jr., M.D. '40
Evan Alexander Erwin Jr., M.D. '41
George Andrew Smedberg, M.D. '44
Cary L. Guy, M.D. '54
George L. Pittman, M.D. '56
James H. Blair Jr., M.D. '61
Michael D. Lutz, M.D. '68

Lost Medical Alumni

Please contact the Alumni Office if you have information about any of our lost alumni.

Robert Arasi,M.D. '82
Tamara Sanderson Beecham, M.D. '76
Edgar Norman Boseman, M.D. '28
Albert DeLane Cain, M.D. '78
Ruby Jean Cain, M.D. '79
Gail Marie Capel, M.D. '79
Ashok Chopra, M.D. '84
Victor Francis Dickens, M.D. '78
David Lee Gaston, Jr., M.D. '79
Sandra Hanson Griffin, M.D. '77
Peter Colby Gruenberg, M.D. '77
Glenn Sherwood Harman, M.D. '79
Cynthia Loretta Harrell, M.D. '79
Tommy Ray Harris, M.D. '82
Joan Marian Hockenbury, M.D. '81
Henry Edward Holloway, Jr., M.D. '83
David Michael Huffman, M.D. '83
Michael James Kirby, M.D. '72
Alywin Ennis Kluttz, M.D. '79
Nicola Jane Longmuir, M.D. '80
Dean Alvin Madar, M.D. '82
Oveta Birdena McIntosh, M.D. '83
Calvin McNeill, M.D. '80
Michael Wells Meriwether, M.D. '75
George Joseph Nassef, M.D. '46
Forest Pike Newman, III, M.D. '74
Ruth Carolyn Penn, M.D. '77
Jocelyn Marie Pyles, M.D. '83
James Edward Richardson, M.D. '81
Junius Harris Rose, III, M.D. '83
Jerry Bryan Sloan, M.D. '83
Frank Page Smith, M.D. 3-43
David Evan Sorenson, M.D. '84
Vaughn Alden Starnes, M.D. '77
Gregory Tyrone Teel, M.D. '84
Robert George Wagner, M.D. '82
Leslie Ellen Waters, M.D. '81
John Philip Williams, M.D. '78
Geraldine Nada Wu, M.D. '75
Joan Edwin Wynn, M.D. '84
Douglas Graham Wysham, M.D. '80

Calendar

MEDICAL ALUMNI ACTIVITIES

1988

April 22-23 Medical Alumni Spring Weekend
—Class Reunions for: '78, '73, '68, '63, '58
—Manning-Berryhill Club dinner for induction of Class of '47

CONTINUING MEDICAL EDUCATION ACTIVITIES

1988

January 14-15 Academic Clinician Series: Clinical Teaching Chapel Hill

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